

NASA PATENT ABSTRACTS BIBLIOGRAPHY

A CONTINUING BIBLIOGRAPHY
SECTION 2 INDEXES

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PATENT ABSTRACTS BIBLIOGRAPHY: A
CONTINUING BIBLIOGRAPHY. SECTION 2:
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NASA PATENT ABSTRACTS BIBLIOGRAPHY

A CONTINUING BIBLIOGRAPHY
SECTION 2 INDEXES



National Aeronautics and Space Administration
Scientific and Technical Information Program
Washington, DC 1994

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INTRODUCTION

Several thousand inventions result each year from the aeronautical and space research supported by the National Aeronautics and Space Administration. The inventions having important use in government programs or significant commercial potential are usually patented by NASA. These inventions cover practically all fields of technology and include many that have useful and valuable commercial application.

NASA inventions best serve the interests of the United States when their benefits are available to the public. In many instances, the granting of nonexclusive or exclusive licenses for the practice of these inventions may assist in the accomplishment of this objective. This bibliography is published as a service to companies, firms, and individuals seeking new, licensable products for the commercial market.

The *NASA Patent Abstracts Bibliography (NASA PAB)* is a semiannual NASA publication containing comprehensive abstracts and indexes of NASA-owned inventions covered by U.S. patents and applications for patent. The citations included in *NASA PAB* were originally published in NASA's *Scientific and Technical Aerospace Reports (STAR)* and cover *STAR* announcements made since May 1969.

For the convenience of the user, each issue of *NASA PAB* has a separately bound Abstract Section (Section 1) and Index Section (Section 2). Although each Abstract Section covers only the indicated six-month period, the Index Section is cumulative covering all NASA-owned inventions announced in *STAR* since 1969. Thus a complete set of *NASA PAB* would consist of the Abstract Sections of Issue 04 (January 1974) and Issue 12 (January 1978) and the Abstract Section for all subsequent issues and the Index Section for the most recent issue.

The 137 citations published in this issue of the Abstract Section cover the period January 1994 through June 1994. The Index Section references over 5600 citations covering the period May 1969 through June 1994.

ABSTRACT SECTION (SECTION 1)

This *PAB* issue includes 10 major subject divisions separated into 76 specific categories and one general category/division. (See Table of Contents for the scope note of each category, under which are grouped appropriate NASA inventions.) This scheme was devised in 1975 and revised in 1987 in lieu of the 34 category divisions which were utilized in *PAB* supplements (01) through (06) covering *STAR* abstracts from May 1969 through January 1974. Each entry in the Abstract Section consists of a *STAR* citation accompanied by an abstract and, when appropriate, a key illustration taken from the patent or application for patent. Entries are arranged by subject category in order of the ascending NASA Accession Number originally assigned for *STAR* to the invention. The range of NASA Accession Numbers within each issue is printed on the inside back cover.

Abstract Citation Data Elements: Each of the abstract citations has several data elements useful for identification and indexing purposes, as follows:

- NASA Accession Number
- NASA Case Number
- Inventor's Name
- Title of Invention
- U.S. Patent Application Serial Number
- U.S. Patent Number (for issued patents only)
- U.S. Patent Office Classification Number(s)
(for issued patents only)

These data elements are identified in the Typical Citation and Abstract and in the indexes.

INDEX SECTION (SECTION 2)

The Index Section is divided into five indexes. These indexes are cross-indexed and are used to locate a single invention or groups of inventions.

Subject Index: Lists all inventions according to appropriate alphabetized technical term and indicates the related NASA Case Number, the Subject Category Number, and the Accession Number.

Inventor Index: Lists all inventions according to alphabetized names of inventors and indicates the related NASA Case Number, the Subject Category Number, and the Accession Number.

Source Index: Lists all inventions according to alphabetized source of invention (i.e., name of contractor or government installation where invention was made) and indicates the related NASA Case Number, the Subject Category Number, and the Accession Number.

Number Index: Lists inventions in order of ascending (1) NASA Case Number, (2) U.S. Patent Application Serial number, (3) U.S. Patent Classification Number, and (4) U.S. Patent Number and indicates the related Subject Category Number and the Accession Number.

Accession Number Index: Lists all inventions in order of ascending Accession Number and indicates the related Subject Category Number, the NASA Case Number, the U.S. Patent Application Serial Number, the U.S. Patent Classification Number, and the U.S. Patent Number.

HOW TO USE THIS PUBLICATION TO IDENTIFY NASA INVENTIONS

To identify one or more NASA inventions within a specific technical field or subject, several techniques are possible with the flexibility incorporated into the *NASA PAB*.

(1) *Using Subject Category:* To identify all NASA inventions in any one of the subject categories in this issue of *NASA PAB*, select the desired Subject Category in the Abstract Section (Section 1) and find the inventions abstracted thereunder.

(2) *Using Subject Index:* To identify all NASA inventions listed under a desired technical subject index term, (A) turn to the cumulative Subject Index in the Index Section and find the invention(s) listed under the desired technical subject term. (B) Note the indicated Accession Number and the Subject Category Number. (C) Using the indicated Accession Number, turn to the inside front cover of the Index Section to determine which issue of the Abstract Section includes the Accession Number desired. (D) To find the abstract of the particular invention in the issue of the Abstract Section selected, (1) use the Subject Category Number to locate the Subject Category and (2) use the Accession Number to locate the desired invention within the Subject Category listing.

(3) *Using Patent Classification Index:* To identify all inventions covered by issued NASA patents (not including applications for patent) within a desired Patent Classification, (A) turn to the Patent Classification Number in the Number Index of Section 2 and find the associated invention(s), and (B) follow the instructions outlined in (2)(B), and (D) above.

Subject Categories

(1969-1973)

01 Aerodynamics

Includes aerodynamics of bodies, combinations, internal flow in ducts and turbomachinery; wings, rotors, and control surfaces. For applications see: 02 Aircraft; and 32 Space Vehicles. For related information see also: 12 Fluid Mechanics; and 33 Thermodynamics and Combustion.

02 Aircraft

Includes fixed-wing airplanes, helicopters, gliders, balloons, ornithopters, etc.; and specific types of complete aircraft; e.g., ground effect machines, STOL, and VTOL; flight tests; operating problems; e.g., sonic boom; safety and safety devices; economics; and stability and control. For basic research see: 01 Aerodynamics. For related information see also: 31 Space Vehicles; and 32 Structural Mechanics.

03 Auxiliary Systems

Includes fuel cells, energy conversion cells, and solar cells; auxiliary gas turbines; hydraulic, pneumatic and electrical systems; actuators; and inverters. For related information see also: 09 Electronic Equipment; 22 Nuclear Engineering; and 28 Propulsion Systems.

04 Biosciences

Includes aerospace medicine, exobiology, radiation effects on biological systems; physiological and psychological factors. For related information see also: 05 Biotechnology.

05 Biotechnology

Includes life support systems, human engineering; protective clothing and equipment; crew training and evaluation, and piloting. For related information see also: 04 Biosciences.

06 Chemistry

Includes chemical analysis and identification; e.g., spectroscopy. For applications see: 17 Materials, Metallic; 18 Materials, Nonmetallic; and 27 Propellants.

07 Communications

Includes communications equipment and techniques; noise; radio and communications blackout; modulation telemetry; tracking radar and optical observation; and wave propagation. For basic research see: 23 Physics, General; and 21 Navigation.

08 Computers

Includes computer operation and programming; and data processing. For applications, see specific categories. For related information see also: 19 Mathematics.

09 Electronic Equipment

Includes electronic test equipment and maintainability; component parts; e.g., electron tubes, tunnel diodes, transistors, integrated circuitry; microminiaturization. For basic research see: 10 Electronics. For related information see also: 07 Communications; and 21 Navigation.

10 Electronics

Includes circuit theory; and feedback and control theory. For applications see: 09 Electronic Equipment. For related information see specific Physics categories.

11 Facilities, Research and Support

Includes airports; lunar and planetary bases including associated vehicles; ground support systems; related logistics; simulators; test facilities; e.g., rocket engine test stands, shock tubes, and wind tunnels; test ranges; and tracking stations.

12 Fluid Mechanics

Includes boundary-layer flow; compressible flow; gas dynamics; hydrodynamics; and turbulence. For related information see also: 01 Aerodynamics; and 33 Thermodynamics and Combustion.

13 Geophysics

Includes aeronomy; upper and lower atmosphere studies; oceanography; cartography; and geodesy. For related information see also: 20 Meteorology; 29 Space Radiation; and 30 Space Sciences.

14 Instrumentation and Photography

Includes design, installation, and testing of instrumentation systems; gyroscopes; measuring instruments and gauges; recorders, transducers; aerial photography; and telescopes and cameras.

15 Machine Elements and Processes

Includes bearings, seals, pumps, and other mechanical equipment; lubrication, friction, and wear; manufacturing processes and quality control; reliability; drafting; and materials fabrication, handling, and inspection.

16 Masers

Includes applications of masers and lasers. For basic research see: 26 Physics, Solid-State.

17 Materials, Metallic

Includes cermets; corrosion; physical and mechanical properties of materials; metallurgy; and applications as structural materials. For basic research see: 06 Chemistry. For related information see also: 18 Materials, Nonmetallic; and 32 Structural Mechanics.

18 Materials, Nonmetallic

Includes corrosion; physical and mechanical properties of materials; e.g., plastics; and elastomers, hydraulic fluids, etc. For basic research see: 06 Chemistry. For related information see also: 17 Materials, Metallic; 27 Propellants; and 32 Structural Mechanics.

19 Mathematics

Includes calculation methods and theory; and numerical analysis. For applications see specific categories. For related information see also: 08 Computers.

20 Meteorology

Includes climatology; weather forecasting; and visibility studies. For related information see also: 13 Geophysics; and 30 Space Sciences.

21 Navigation

Includes guidance; autopilots; star and planet tracking; inertial platforms; and air traffic control. For related information see also: 07 Communications.

22 Nuclear Engineering

Includes nuclear reactors and nuclear heat sources used for propulsion and auxiliary power. For basic research see: 24 Physics, Atomic, Molecular, and Nuclear. For related information see also: 03 Auxiliary Systems; and 28 Propulsion Systems.

23 Physics, General

Includes acoustics, cryogenics, mechanics, and optics. For astrophysics see: 30 Space Sciences. For geophysics and related information see also: 13 Geophysics; 20 Meteorology; and 29 Space Radiation.

24 Physics, Atomic, Molecular, and Nuclear

Includes atomic, molecular and nuclear physics. For applications see: 22 Nuclear Engineering. For related information see also: 29 Space Radiation.

25 Physics, Plasma

Includes magnetohydrodynamics. For applications see: 28 Propulsion Systems.

26 Physics, Solid-State

Includes semiconductor theory; and superconductivity. For applications see: 16 Masers. For related information see also: 10 Electronics.

27 Propellants

Includes fuels; igniters; and oxidizers. For basic research see: 06 Chemistry; and 33 Thermodynamics and Combustion. For related information see also: 28 Propulsion Systems.

28 Propulsion Systems

Includes air breathing, electric, liquid, solid, and magnetohydrodynamic propulsion. For nuclear propulsion see: 22 Nuclear Engineering. For basic research see: 23 Physics, General; and 33 Thermodynamics and Combustion. For applications see: 31 Space Vehicles. For related information see also: 27 Propellants.

29 Space Radiation

Includes cosmic radiation; solar flares; solar radiation; and Van Allen radiation belts. For related information see also: 13 Geophysics; and 24 Physics, Atomic, Molecular, and Nuclear.

30 Space Sciences

Includes astronomy and astrophysics; cosmology; lunar and planetary flight and exploration; and theoretical analysis of orbits and trajectories. For related information see also: 11 Facilities, Research and Support; and 31 Space Vehicles.

31 Space Vehicles

Includes launch vehicles; manned space capsules; clustered and multistage rockets; satellites; sounding rockets and probes; and operating problems. For basic research see: 30 Space Sciences. For related information see also: 28 Propulsion Systems; and 32 Structural Mechanics.

32 Structural Mechanics

Includes structural element design and weight analysis; fatigue; thermal stress; impact phenomena; vibration; flutter; inflatable structures; and structural tests. For related information see also: 17 Materials, Metallic; and 18 Materials, Nonmetallic.

33 Thermodynamics and Combustion

Includes ablation, cooling, heating, heat transfer, thermal balance, and other thermal effects; and combustion theory. For related information see also: 12 Fluid Mechanics; and 27 Propellants.

34 General

Includes information of a broad nature related to industrial applications and technology, and to basic research; defense aspects; information retrieval; management; law and related legal matters; and legislative hearings and documents.

TABLE OF CONTENTS

Revised Subject Categories
(Includes 1974 and 1987 revisions)

AERONAUTICS For related information see also *Astronautics*.

01 AERONAUTICS (GENERAL)

02 AERODYNAMICS

Includes aerodynamics of bodies, combinations, wings, rotors, and control surfaces; and internal flow in ducts and turbomachinery. For related information see also *34 Fluid Mechanics and Heat Transfer*.

03 AIR TRANSPORTATION AND SAFETY

Includes passenger and cargo air transport operations; and aircraft accidents. For related information see also *16 Space Transportation* and *85 Urban Technology and Transportation*.

04 AIRCRAFT COMMUNICATIONS AND NAVIGATION

Includes digital and voice communication with aircraft; air navigation systems (satellite and ground based); and air traffic control. For related information see also *17 Space Communications, Spacecraft Communications, Command and Tracking* and *32 Communications and Radar*.

05 AIRCRAFT DESIGN, TESTING AND PERFORMANCE

Includes aircraft simulation technology. For related information see also *18 Spacecraft Design, Testing and Performance* and *39 Structural Mechanics*. For land transportation vehicles see *85 Urban Technology and Transportation*.

06 AIRCRAFT INSTRUMENTATION

Includes cockpit and cabin display devices; and flight instruments. For related information see also *19 Spacecraft Instrumentation* and *35 Instrumentation and Photography*.

07 AIRCRAFT PROPULSION AND POWER

Includes prime propulsion systems and systems components, e.g., gas turbine engines and compressors; and onboard auxiliary power plants for aircraft. For related information see also *20 Spacecraft Propulsion and Power, 28 Propellants and Fuels, and 44 Energy Production and Conversion*.

08 AIRCRAFT STABILITY AND CONTROL

Includes aircraft handling qualities; piloting; flight controls; and autopilots. For related information see also *05 Aircraft Design, Testing and Performance*.

09 RESEARCH AND SUPPORT FACILITIES (AIR)

Includes airports, hangars and runways; aircraft repair and overhaul facilities; wind tunnels; shock tubes; and aircraft engine test stands. For related information see also *14 Ground Support Systems and Facilities (Space)*.

ASTRONAUTICS For related information see also *Aeronautics*.

12 ASTRONAUTICS (GENERAL)

For extraterrestrial exploration see *91 Lunar and Planetary Exploration*.

13 ASTRODYNAMICS

Includes powered and free-flight trajectories; and orbital and launching dynamics.

14 GROUND SUPPORT SYSTEMS AND FACILITIES (SPACE)

Includes launch complexes, research and production facilities; ground support equipment, e.g., mobile transporters; and simulators. For related information see also *09 Research and Support Facilities (Air)*.

15 LAUNCH VEHICLES AND SPACE VEHICLES

Includes boosters; operating problems of launch/space vehicle systems; and reusable vehicles. For related information see also *20 Spacecraft Propulsion and Power*.

16 SPACE TRANSPORTATION

Includes passenger and cargo space transportation, e.g., shuttle operations; and space rescue techniques. For related information see also *03 Air Transportation and Safety* and *18 Spacecraft Design, Testing and Performance*. For space suits see *54 Man/System Technology and Life Support*.

17 SPACE COMMUNICATIONS, SPACECRAFT COMMUNICATIONS, COMMAND AND TRACKING

Includes telemetry, space communications networks; astronavigation and guidance; and radio blackout. For related information see also *04 Aircraft Communications and Navigation* and *32 Communications and Radar*.

18 SPACECRAFT DESIGN, TESTING AND PERFORMANCE

Includes satellites; space platforms; space stations; spacecraft systems and components such as thermal and environmental controls; and attitude controls. For life support systems see *54 Man/System Technology and Life Support*. For related information see also *05 Aircraft Design, Testing and Performance*, *39 Structural Mechanics*, and *16 Space Transportation*.

19 SPACECRAFT INSTRUMENTATION

For related information see also *06 Aircraft Instrumentation* and *35 Instrumentation and Photography*.

20 SPACECRAFT PROPULSION AND POWER

Includes main propulsion systems and components, e.g., rocket engines; and spacecraft auxiliary power sources. For related information see also *07 Aircraft Propulsion and Power*, *28 Propellants and Fuels*, *44 Energy Production and Conversion*, and *15 Launch Vehicles and Space Vehicles*.

CHEMISTRY AND MATERIALS

23 CHEMISTRY AND MATERIALS (GENERAL)

24 COMPOSITE MATERIALS

Includes physical, chemical, and mechanical properties of laminates and other composite materials. For ceramic materials see *27 Nonmetallic Materials*.

25 INORGANIC AND PHYSICAL CHEMISTRY

Includes chemical analysis, e.g., chromatography; combustion theory; electrochemistry; and photochemistry. For related information see also *77 Thermodynamics and Statistical Physics*.

26 METALLIC MATERIALS

Includes physical, chemical, and mechanical properties of metals, e.g., corrosion; and metallurgy.

27 NONMETALLIC MATERIALS

Includes physical, chemical, and mechanical properties of plastics, elastomers, lubricants, polymers, textiles, adhesives, and ceramic materials. For composite materials see *24 Composite Materials*.

28 PROPELLANTS AND FUELS

Includes rocket propellants, igniters and oxidizers; their storage and handling procedures; and aircraft fuels. For related information see also *07 Aircraft Propulsion and Power*, *20 Spacecraft Propulsion and Power*, and *44 Energy Production and Conversion*.

29 MATERIALS PROCESSING

Includes space-based development of products and processes for commercial application. For biological materials see *55 Space Biology*.

ENGINEERING For related information see also *Physics*.

31 ENGINEERING (GENERAL)

Includes vacuum technology; control engineering; display engineering; cryogenics; and fire prevention.

32 COMMUNICATIONS AND RADAR

Includes radar; land and global communications; communications theory; and optical communications. For related information see also *04 Aircraft Communications and Navigation* and *17 Space Communications, Spacecraft Communications, Command and Tracking*. For search and rescue see *03 Air Transportation and Safety* and *16 Space Transportation*.

33 ELECTRONICS AND ELECTRICAL ENGINEERING

Includes test equipment and maintainability; components, e.g., tunnel diodes and transistors; microminiaturization; and integrated circuitry. For related information see also *60 Computer Operations and Hardware* and *76 Solid-State Physics*.

34 FLUID MECHANICS AND HEAT TRANSFER

Includes boundary layers; hydrodynamics; fluidics; mass transfer and ablation cooling. For related information see also *02 Aerodynamics* and *77 Thermodynamics and Statistical Physics*.

35 INSTRUMENTATION AND PHOTOGRAPHY

Includes remote sensors; measuring instruments and gauges; detectors; cameras and photographic supplies; and holography. For aerial photography see *43 Earth Resources and Remote Sensing*. For related information see also *06 Aircraft Instrumentation* and *19 Spacecraft Instrumentation*.

36 LASERS AND MASERS

Includes parametric amplifiers. For related information see also *76 Solid-State Physics*.

37 MECHANICAL ENGINEERING

Includes auxiliary systems (nonpower); machine elements and processes; and mechanical equipment.

38 QUALITY ASSURANCE AND RELIABILITY

Includes product sampling procedures and techniques; and quality control.

39 STRUCTURAL MECHANICS

Includes structural element design and weight analysis; fatigue; and thermal stress. For applications see *05 Aircraft Design, Testing and Performance* and *18 Spacecraft Design, Testing and Performance*.

GEOSCIENCES For related information see also *Space Sciences*.

42 GEOSCIENCES (GENERAL)

43 EARTH RESOURCES AND REMOTE SENSING

Includes remote sensing of earth resources by aircraft and spacecraft; photogrammetry; and aerial photography. For instrumentation see *35 Instrumentation and Photography*.

44 ENERGY PRODUCTION AND CONVERSION

Includes specific energy conversion systems, e.g., fuel cells; global sources of energy; geophysical conversion; and windpower. For related information see also *07 Aircraft Propulsion and Power*, *20 Spacecraft Propulsion and Power*, and *28 Propellants and Fuels*.

45 ENVIRONMENT POLLUTION

Includes atmospheric, noise, thermal, and water pollution.

46 GEOPHYSICS

Includes aeronomy; upper and lower atmosphere studies; ionospheric and magnetospheric physics; and geomagnetism. For space radiation see *93 Space Radiation*.

47 METEOROLOGY AND CLIMATOLOGY

Includes weather forecasting and modification.

48 OCEANOGRAPHY

Includes biological, dynamic, and physical oceanography; and marine resources. For related information see also *43 Earth Resources and Remote Sensing*.

LIFE SCIENCES

51 LIFE SCIENCES (GENERAL)

52 AEROSPACE MEDICINE

Includes physiological factors; biological effects of radiation; and effects of weightlessness on man and animals.

53 BEHAVIORAL SCIENCES

Includes psychological factors; individual and group behavior; crew training and evaluation; and psychiatric research.

54 MAN/SYSTEM TECHNOLOGY AND LIFE SUPPORT

Includes human engineering; biotechnology; and space suits and protective clothing. For related information see also *16 Space Transportation*.

55 SPACE BIOLOGY

Includes exobiology; planetary biology; and extraterrestrial life.

MATHEMATICAL AND COMPUTER SCIENCES

59 MATHEMATICAL AND COMPUTER SCIENCES (GENERAL)

60 COMPUTER OPERATIONS AND HARDWARE

Includes hardware for computer graphics, firmware, and data processing. For components see *33 Electronics and Electrical Engineering*.

61 COMPUTER PROGRAMMING AND SOFTWARE

Includes computer programs, routines, algorithms, and specific applications, e.g., CAD/CAM.

62 COMPUTER SYSTEMS

Includes computer networks and special application computer systems.

63 CYBERNETICS

Includes feedback and control theory, artificial intelligence, robotics and expert systems. For related information see also *54 Man/System Technology and Life Support*.

64 NUMERICAL ANALYSIS

Includes iteration, difference equations, and numerical approximation.

65 STATISTICS AND PROBABILITY

Includes data sampling and smoothing; Monte Carlo method; and stochastic processes.

66 SYSTEMS ANALYSIS

Includes mathematical modeling; network analysis; and operations research.

67 THEORETICAL MATHEMATICS

Includes topology and number theory.

PHYSICS For related information see also *Engineering*.**70 PHYSICS (GENERAL)**

For precision time and time interval (PTTI) see *35 Instrumentation and Photography*; for geophysics, astrophysics or solar physics see *46 Geophysics*, *90 Astrophysics*, or *92 Solar Physics*.

71 ACOUSTICS

Includes sound generation, transmission, and attenuation. For noise pollution see *45 Environment Pollution*.

72 ATOMIC AND MOLECULAR PHYSICS

Includes atomic structure, electron properties, and molecular spectra.

73 NUCLEAR AND HIGH-ENERGY PHYSICS

Includes elementary and nuclear particles; and reactor theory. For space radiation see *93 Space Radiation*.

74 OPTICS

Includes light phenomena and optical devices. For lasers see *36 Lasers and Masers*.

75 PLASMA PHYSICS

Includes magnetohydrodynamics and plasma fusion. For ionospheric plasmas see *46 Geophysics*. For space plasmas see *90 Astrophysics*.

76 SOLID-STATE PHYSICS

Includes superconductivity. For related information see also *33 Electronics and Electrical Engineering* and *36 Lasers and Masers*.

77 THERMODYNAMICS AND STATISTICAL PHYSICS

Includes quantum mechanics; theoretical physics; and Bose and Fermi statistics. For related information see also *25 Inorganic and Physical Chemistry* and *34 Fluid Mechanics and Heat Transfer*.

SOCIAL SCIENCES**80 SOCIAL SCIENCES (GENERAL)**

Includes educational matters.

81 ADMINISTRATION AND MANAGEMENT

Includes management planning and research.

82 DOCUMENTATION AND INFORMATION SCIENCE

Includes information management; information storage and retrieval technology; technical writing; graphic arts; and micrography. For computer documentation see *61 Computer Programming and Software*.

83 ECONOMICS AND COST ANALYSIS

Includes cost effectiveness studies.

84 LAW, POLITICAL SCIENCE AND SPACE POLICY

Includes NASA appropriation hearings; aviation law; space law and policy; international law; international cooperation; and patent policy.

85 URBAN TECHNOLOGY AND TRANSPORTATION

Includes applications of space technology to urban problems; technology transfer; technology assessment; and surface and mass transportation. For related information see *03 Air Transportation and Safety*, *16 Space Transportation*, and *44 Energy Production and Conversion*.

SPACE SCIENCES For related information see also *Geosciences*.

88 SPACE SCIENCES (GENERAL)

89 ASTRONOMY

Includes radio, gamma-ray, and infrared astronomy; and astrometry.

90 ASTROPHYSICS

Includes cosmology; celestial mechanics; space plasmas; and interstellar and interplanetary gases and dust. For related information see also *75 Plasma Physics*.

91 LUNAR AND PLANETARY EXPLORATION

Includes planetology; and manned and unmanned flights. For spacecraft design or space stations see *18 Spacecraft Design, Testing and Performance*.

92 SOLAR PHYSIC

Includes solar activity, solar flares, solar radiation and sunspots. For related information see *93 Space Radiation*.

93 SPACE RADIATION

Includes cosmic radiation; and inner and outer earth's radiation belts. For biological effects of radiation see *52 Aerospace Medicine*. For theory see *73 Nuclear and High-Energy Physics*.

GENERAL

Includes aeronautical, astronautical, and space science related histories, biographies, and pertinent reports too broad for categorization; histories or broad overviews of NASA programs.

99 GENERAL

Section 2 • Indexes

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TYPICAL CITATION AND ABSTRACT

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ACCESSION NUMBER → N94-15960*# National Aeronautics and Space Administration. ← CORPORATE SOURCE
Pasadena Office, CA.

TITLE → SELECTIVE FORMATION OF POROUS SILICON Patent Application

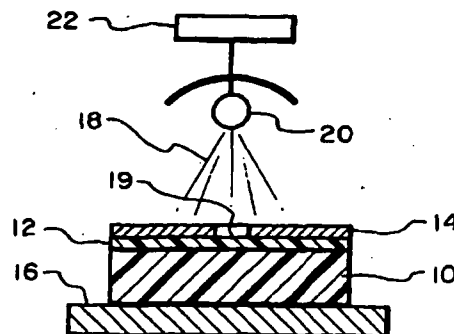
INVENTOR → JONES FATHAUER, inventor (to NASA) (Jet Propulsion Lab., California Inst. of Tech., Pasadena.) 7 Jun. 1993 16 p

CONTRACT NUMBER → (Contract NAS7-918)

NASA CASE NUMBER AND US PATENT APPLICATION SERIAL NUMBER → (NASA-CASE-NPO-18735-1-CU; NAS 1.71:NPO-18735-1-CU; US-PATENT-APPL-SN-073019) Avail: CASI HC A03/MF A01 ← AVAILABILITY SOURCE

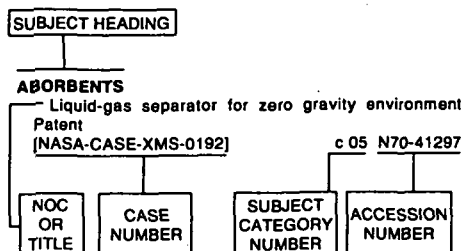
Abstract
A pattern of porous silicon is produced in the surface of a silicon substrate by forming a pattern of crystal defects in said surface, preferably by applying an ion milling beam through openings in a photoresist layer to the surface, and then exposing said surface to a stain etchant, such as HF:HNO₃:H₂O. The defected crystal will preferentially etch to form a pattern of porous silicon. When the amorphous content of the porous silicon exceeds 70 percent, the porous silicon pattern emits visible light at room temperature.

NASA



← KEY ILLUSTRATION

Typical Subject Index Listing



The subject heading is a key to the subject content of the document. A brief description of the document, e.g., title, title plus a title extension, or notation of content (NOC), is included for each subject entry to indicate the subject heading context; these descriptions are arranged under each subject heading in ascending accession number order. The case number serves as the prime access number to the patent documents. The subject category number indicates the category in Section 1 (Abstracts) in which the patent citation and abstract are located. The accession number denotes the number by which the citation is identified within the subject category.

A

ABERRATION

- High speed multi focal plane optical system Patent [NASA-CASE-GSC-12683-1] c 74 N83-36898
- Control system for ruling blazed, aberration corrected diffraction gratings [NASA-CASE-GSC-13240-1] c 35 N92-10186
- Aberration correction of unstable resonators [NASA-CASE-NPO-18662-1-CU] c 74 N93-28428
- Aberration correction of unstable resonators [NASA-CASE-NPO-18791-1-CU] c 35 N94-15987

ABILITIES

- Kinesimetric method and apparatus [NASA-CASE-MSC-18929-1] c 39 N83-20280

ABLATION

- Transpirationally cooled heat ablation system Patent [NASA-CASE-XMS-02677] c 31 N70-42075
- Hypersonic test facility Patent [NASA-CASE-XLA-00378] c 11 N71-15925
- Hypersonic test facility Patent [NASA-CASE-XLA-05378] c 11 N71-21475
- Ablation sensor Patent [NASA-CASE-XLA-01794] c 33 N71-21586
- Ablation sensor Patent [NASA-CASE-XLA-01791] c 14 N71-22991
- Ablative system [NASA-CASE-LEW-10359] c 33 N72-25911
- Ablative shielding for hypervelocity projectiles [NASA-CASE-MSC-21884-1] c 27 N93-29088

ABLATIVE MATERIALS

- Method for making a heat insulating and ablative structure [NASA-CASE-XMS-01108] c 15 N69-24322
- Ablation sensor [NASA-CASE-XLA-01781] c 14 N69-39975
- Method for molding compounds Patent [NASA-CASE-XLA-01091] c 15 N71-10672
- Ablative resin Patent [NASA-CASE-XLE-05913] c 33 N71-14032

- Ablation structures Patent [NASA-CASE-XMS-01816] c 33 N71-15623
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 Multistage estimation of received carrier signal parameters under very high dynamic conditions of the receiver
 [NASA-CASE-NPO-17911-1-CU] c 32 N90-27016
 Predictive sensor method and apparatus
 [NASA-CASE-SSC-00006-1] c 35 N91-13691
 Aerodynamic design optimization using sensitivity analysis and computational fluid dynamics
 [NASA-CASE-LAR-14815-1-CU] c 34 N92-29830
 Multiresponse imager and imaging process for improved resolution
 [NASA-CASE-LAR-14779-1] c 74 N92-29951
 Obstacle avoidance for redundant robots using configuration control
 [NASA-CASE-NPO-17852-1-CU] c 63 N92-33019
 Terminal slider control of nonlinear robotic systems
 [NASA-CASE-NPO-18584-1-CU] c 37 N93-11177
 Modified fast frequency acquisition via adaptive least squares algorithm
 [NASA-CASE-NPO-17845-2-CU] c 61 N93-14882
 Neural network training by integration of adjoint systems of equations forward in time
 [NASA-CASE-NPO-18586-1-CU] c 63 N93-17276
 Fault-tolerant fiber optic backplane
 [NASA-CASE-LAR-14785-1] c 74 N93-19052
 Neural network for processing both spatial and temporal data with time based back-propagation
 [NASA-CASE-MSC-21874-1] c 63 N94-20366

ALIGNMENT
 Instrument support with precise lateral adjustment
 Patent
 [NASA-CASE-XMF-00480] c 14 N70-38998
 Portable alignment tool Patent
 [NASA-CASE-XMF-01452] c 15 N70-41371
 Optical alignment system Patent
 [NASA-CASE-XNP-02029] c 14 N70-41955
 Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems
 Patent
 [NASA-CASE-XMF-00684] c 21 N71-21688
 Aligning and positioning device Patent
 [NASA-CASE-XMS-04178] c 15 N71-22798
 Method and apparatus for aligning a laser beam projector
 Patent
 [NASA-CASE-NPO-11087] c 23 N71-29125
 Roll alignment detector
 [NASA-CASE-GSC-10514-1] c 14 N72-20379
 Zero gravity shadow shield aligner
 [NASA-CASE-KSC-10622-1] c 31 N72-21893
 Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
 [NASA-CASE-ARC-10444-1] c 16 N73-33397
 Spacecraft docking and alignment system — using television camera system
 [NASA-CASE-MSC-12559-1] c 18 N76-14186
 Method of constructing dished ion thruster grids to provide hole array spacing compensation
 [NASA-CASE-LEW-11876-1] c 20 N76-21276
 Optical alignment device
 [NASA-CASE-ARC-10932-1] c 74 N76-22993
 Precision alignment apparatus for cutting a workpiece
 [NASA-CASE-LAR-11658-1] c 37 N77-14478
 Guide for a typewriter
 [NASA-CASE-MFS-15218-1] c 37 N77-19457
 Rotary target V-block
 [NASA-CASE-LAR-12007-3] c 35 N84-16523
 Ingot slicing machine and method
 [NASA-CASE-NPO-15483-1] c 37 N85-21650
 X-ray determination of parts alignment
 [NASA-CASE-MSC-20418-1] c 74 N86-20126
 Simulator scene display evaluation device
 [NASA-CASE-ARC-11504-1] c 09 N86-32447

- Adjustable mount for electro-optic transducers in an evacuated cryogenic system
[NASA-CASE-LAR-13100-1] c 37 N87-23982
- Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-2] c 37 N88-14360
- Improved docking alignment system
[NASA-CASE-MSC-21372-1] c 35 N89-12842
- Space module assembly apparatus with docking alignment flexibility and restraint
[NASA-CASE-MSC-21211-1] c 18 N89-28553
- Tensile film clamps and mounting block for the rheovibron and autovibron viscoelastometer
[NASA-CASE-LAR-13696-1] c 37 N90-20409
- Induction-type metal detector with increased scanning area capability
[NASA-CASE-KSC-11388-1] c 35 N90-22023
- Thermal compensating mount
[NASA-CASE-LAR-14207-1] c 35 N91-14590
- Multiple axis reticle
[NASA-CASE-ARC-11886-1-SB] c 35 N91-14591
- Mechanical strain isolator mount
[NASA-CASE-LAR-13580-1] c 37 N91-21541
- Alignment positioning mechanism
[NASA-CASE-MSC-21502-1] c 37 N91-21543
- Three dimensional moire pattern alignment
[NASA-CASE-MSC-21416-1] c 74 N91-32922
- High reliability robot friendly ORU interface
[NASA-CASE-GSC-13360-1] c 37 N92-23377
- ALKALI HALIDES**
- Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- ALKALI METALS**
- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
- Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
- Preparation of alkali metal dispersions
[NASA-CASE-XNP-08876] c 17 N73-28573
- Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- AMTEC vapor-vapor series connected cells
[NASA-CASE-NPO-18667-1-CU] c 33 N93-19330
- Ion exchange polymers and method for making
[NASA-CASE-LEW-15576-1] c 27 N93-31316
- Alkali metal for ultraviolet band-pass filter
[NASA-CASE-NPO-18433-1-CU] c 74 N94-10657
- ALKALINE BATTERIES**
- Method for determining the state of charge of batteries by the use of tracers Patent
[NASA-CASE-XNP-01464] c 03 N71-10728
- Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
- Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138
- Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
- Polyvinyl alcohol battery separator containing inert filler — alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
- Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
- Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
- Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
- Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176

- Additive for zinc electrodes — electric automobiles
[NASA-CASE-LEW-13286-1] c 33 N84-14422
- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- ALKALINE EARTH METALS**
- Ion exchange polymers and method for making
[NASA-CASE-LEW-15576-1] c 27 N93-31316
- ALKALINE EARTH OXIDES**
- Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- ALKYL COMPOUNDS**
- Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
- Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-2-SB] c 27 N90-21177
- Some 1-(diorganooxyphosphonyl)methyl-2,4- and -2,6-dinitro-benzenes
[NASA-CASE-ARC-11425-3] c 23 N90-23475
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-4] c 23 N91-25185
- Substituted 1,1,1-triaryl 2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-7] c 23 N93-17412
- ALKYNES**
- High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- ALLOYING**
- High temperature creep and oxidation resistant chromium silicide matrix alloy containing molybdenum
[NASA-CASE-LEW-15697-1] c 26 N93-29172
- ALLOYS**
- Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
- Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
- Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
- Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
- Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
- Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-2] c 26 N89-14303
- Solidification processing of alloys using an applied electric field
[NASA-CASE-MFS-26083-1-CU] c 26 N90-26940
- Gradient tempering process
[NASA-CASE-MFS-28496-1] c 26 N92-34239
- ALPHA PARTICLES**
- Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- ALPHANUMERIC CHARACTERS**
- X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517
- ALTERNATING CURRENT**
- Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
- Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
- Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
- Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
- Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
- Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
- Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
- Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
- Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422

- Motor power control circuit for ac induction motors
[NASA-CASE-MFS-25323-1] c 33 N84-22886
- Coupling an induction motor type generator to ac power lines — making windmill generators compatible with public power lines
[NASA-CASE-MFS-25302-2] c 33 N84-33660
- Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
- Power control for ac motor
[NASA-CASE-MFS-25861-1] c 33 N85-22877
- Induction heating gun
[NASA-CASE-LAR-13181-1] c 31 N85-29083
- ALTIMETERS**
- Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376
- ALTITUDE**
- Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
- ALTITUDE CONTROL**
- Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
- ALUMINUM**
- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
- Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
- Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
- Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
- Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
- Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
- Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
- Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
- Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
- Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
- Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- Oxygen diffusion barrier coating
[NASA-CASE-LAR-13474-1-SB] c 26 N87-25455
- Thermal treatment of silicon integrated circuit chips to prevent and heal voids in aluminum metallization
[NASA-CASE-NPO-17678-1-CU] c 76 N91-28014
- Production of mullite fibers
[NASA-CASE-MFS-28431-1] c 24 N92-17870
- Method of forming a multiple layer dielectric and a hot film sensor therewith
[NASA-CASE-LAR-13678-3] c 35 N93-14714
- Composite passive damping struts for large precision structures
[NASA-CASE-NPO-17914-1-CU] c 39 N93-24596
- ALUMINUM ALLOYS**
- Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
- Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
- Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333
- Nickel ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214
- Elevated temperature aluminum alloys
[NASA-CASE-LAR-13632-1] c 26 N87-29650
- Aluminum alloy
[NASA-CASE-LAR-13924-1-CU] c 26 N89-28621
- High temperature, oxidation resistant noble metal-Al alloy thermocouple
[NASA-CASE-LEW-15515-1] c 35 N93-31298
- High temperature, oxidation resistant noble metal-Al alloy thermocouple
[NASA-CASE-LEW-15515-1] c 35 N94-23826
- ALUMINUM COATINGS**
- Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
- Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209

- Method of protecting the surface of a substrate --- by applying aluminide coating
[NASA-CASE-LEW-11696-1] c 37 N75-13261
- Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
- Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
- Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- Silicon-slurry/aluminide coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
- Improved composite flexible blanket insulation
[NASA-CASE-ARC-11955-1-CU] c 24 N94-15926
- ALUMINUM COMPOUNDS**
- Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
- Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118
- Production of mullite fibers
[NASA-CASE-MFS-28431-1] c 24 N92-17870
- ALUMINUM GALLIUM ARSENIDES**
- Planar varactor frequency multiplier devices with blocking barrier
[NASA-CASE-NPO-18428-1-CU] c 33 N92-23464
- Planar varactor frequency multiplier devices with blocking barrier
[NASA-CASE-NPO-18428-1-CU] c 33 N94-23821
- ALUMINUM OXIDES**
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
- Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MSC-16934-3] c 24 N84-16262
- Silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-1] c 24 N93-11543
- Method of producing a silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-2] c 24 N94-15929
- Thin composite solid electrolyte film for lithium batteries
[NASA-CASE-NPO-18694-1-CU] c 33 N94-17325
- Guanidine based vehicle/binders for use with oxides, metals, and ceramics
[NASA-CASE-LEW-15314-1] c 27 N94-20195
- ALUMINUM SILICATES**
- Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- Fiber-reinforced monoclinic celisian matrix composite material
[NASA-CASE-LEW-15269-1] c 24 N93-20040
- AMBIENT TEMPERATURE**
- High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
- Anode for rechargeable ambient temperature lithium cells
[NASA-CASE-NPO-18580-1-CU] c 33 N93-17278
- AMBIGUITY**
- Phase ambiguity resolution for offset QPSK modulation systems
[NASA-CASE-NPO-17853-1-CU] c 32 N91-25318
- AMIDES**
- Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078
- AMINES**
- Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
- Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
- Metal (2,4,4',4'') phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- Laminate comprising fibers embedded in cured amine terminated bis-imide
[NASA-CASE-ARC-11421-3] c 24 N86-25416
- Amine terminated bisaspartimide polymer
[NASA-CASE-ARC-11421-2] c 27 N86-31726
- Aminophenoxycyclotriphosphazene cured epoxy resins and the composites, laminates, adhesives and structures thereof
[NASA-CASE-ARC-11548-1] c 27 N87-25469
- Aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-3] c 23 N88-24692
- Polyimides with improved compression moldability
[NASA-CASE-LAR-14457-1] c 27 N93-25997
- AMINO ACIDS**
- Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
- Amino acid sequences for the binding regions in serum albumin proteins
[NASA-CASE-MFS-28402-1] c 51 N93-28952
- AMMONIA**
- Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578
- AMMONIUM NITRATES**
- High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
- AMMONIUM PERCHLORATES**
- Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
- AMORPHOUS MATERIALS**
- Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- Apparatus for production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N86-32551
- Oxygen diffusion barrier coating
[NASA-CASE-LAR-13474-1-SB] c 26 N87-25455
- Method of intercalating large quantities of fibrous structures
[NASA-CASE-LEW-15077-1] c 24 N92-16025
- Anode for rechargeable ambient temperature lithium cells
[NASA-CASE-NPO-18580-1-CU] c 33 N93-17278
- AMORPHOUS SILICON**
- Diamond composite films for protective coatings on metals and method of formation
[NASA-CASE-NPO-18501-1-CU] c 27 N93-28426
- AMPLIFICATION**
- Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
- Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
- Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
- Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
- High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
- Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410
- Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356
- AMPLIFIER DESIGN**
- Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330
- Bio-isolated dc operational amplifier --- for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851
- High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145
- Amplifier for measuring low-level signals in the presence of high common mode voltage
[NASA-CASE-MFS-25868-1] c 33 N86-20670
- Low phase noise oscillator using two parallel connected amplifiers
[NASA-CASE-GSC-13018-1] c 33 N87-21232
- AMPLIFIERS**
- Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
- Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185
- High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
- RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- Full wave modulator-demodulator amplifier apparatus --- for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
- Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- Reflected-wave maser --- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
- High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
- Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
- Low phase noise oscillator using two parallel connected amplifiers
[NASA-CASE-GSC-13018-1] c 33 N87-21232
- Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N87-22895
- Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N88-14271
- AMPLITUDE DISTRIBUTION ANALYSIS**
- System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
- Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
- Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045
- AMPLITUDE MODULATION**
- Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
- Demodulation system Patent
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- Angular measurement system
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- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
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- AQUEOUS SOLUTIONS**
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- Method and apparatus for nondestructive testing — using high frequency arc discharges
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- Arjet power supply and start circuit
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- Depressurization of arc lamps
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- Automatic closed circuit television arc guidance control Patent
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- Device for preventing high voltage arcing in electron beam welding Patent
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- Welding skate with computerized control Patent
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- Special purpose parallel computer architecture for real-time control and simulation in robotic applications
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- Variable sweep aircraft wing Patent
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- Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
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- Chelate-modified polymers for atmospheric gas chromatography
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- Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
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[NASA-CASE-XLA-00675] c 25 N70-33267
- Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436

ATMOSPHERIC MOISTURE

- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
- Wet atmospheric generation apparatus
[NASA-CASE-MFS-28177-1] c 35 N91-21496

ATMOSPHERIC PHYSICS

- Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318

ATMOSPHERIC PRESSURE

- Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- Atmospheric pressure flow reactor: Gas phase chemical kinetics under tropospheric conditions without wall effects
[NASA-CASE-MSC-21384-1] c 34 N92-16243

- Ultra-high temperature stability Joule-Thomson cooler with capability to accommodate pressure variations
[NASA-CASE-NPO-18184-1-CU] c 35 N92-29156
- Atmospheric pressure flow reactor: Gas phase chemical kinetics under tropospheric conditions without wall effects
[NASA-CASE-MSC-21384-2] c 35 N93-17626
- ATMOSPHERIC RADIATION**
Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
- ATMOSPHERIC REFRACTION**
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344
- ATMOSPHERIC SCATTERING**
Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
Micro pulse laser radar
[NASA-CASE-GSC-13493-1] c 32 N94-17322
Micro pulse laser radar
[NASA-CASE-GSC-13493-1] c 32 N94-23827
- ATMOSPHERIC SOUNDING**
Microwave limb sounder — measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685
Electron reversal ionizer for detection of trace species using a spherical cathode
[NASA-CASE-NPO-18870-1-CU] c 72 N94-17329
- ATMOSPHERIC TEMPERATURE**
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443
Method of and apparatus for measuring temperature and pressure — atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- ATMOSPHERIC TURBULENCE**
Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- ATOMIC BEAMS**
Variable energy, high flux, ground-state atomic oxygen source
[NASA-CASE-NPO-16640-1-CU] c 72 N87-21661
Method and apparatus for producing a thermal atomic oxygen beam
[NASA-CASE-LEW-15614-1] c 72 N93-19026
Method and apparatus for producing a thermal atomic oxygen beam
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- ATOMIC EXCITATIONS**
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
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- ATOMIC STRUCTURE**
Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16617-2-CU] c 35 N90-17118
- ATOMIZERS**
Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
Constant-output atomizer — Inhalation therapy and aerosol research
[NASA-CASE-MFS-25631-1] c 34 N84-12406
Liquid seeding atomizer
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- ATS**
Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
- ATTACHMENT**
Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150
- ATTENTION**
Method of encouraging attention by correlating video game difficulty with attention level
[NASA-CASE-LAR-15022-1] c 53 N93-28128
- ATTENUATORS**
Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
Pulse transducer with artifact signal attenuator — heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
Rocket engine nozzle attenuator
[NASA-CASE-MFS-28739-1] c 20 N93-28324
Underwing compression vortex attenuation device
[NASA-CASE-LAR-14744-1] c 02 N94-10673
- ATTITUDE (INCLINATION)**
Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172
Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640
Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391
- ATTITUDE CONTROL**
Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279
Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297
Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938
Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996
Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132
Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583
Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160
Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
Temperature compensated digital inertial sensor — circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094
Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951
Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130
Programmable scan/read circuitry for charge coupled device imaging detectors — spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247
Propulsion apparatus and method using boil-off gas from a cryogenic liquid
[NASA-CASE-MFS-25946-1] c 20 N86-26368
Emission vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N87-14670
Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N87-22678
Three axis attitude control system
[NASA-CASE-GSC-12970-1] c 08 N88-23808
Fluid-loop reaction system
[NASA-CASE-NPO-17204-1-CU] c 34 N91-25380
- ATTITUDE GYROS**
Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113
- ATTITUDE INDICATORS**
Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
Head-up attitude display
[NASA-CASE-ERC-10392] c 21 N73-14692
Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
- Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882
- ATTITUDE STABILITY**
Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873
Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064
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Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244
Acoustic device and method for measuring gas densities
[NASA-CASE-NPO-18155-1-CU] c 71 N93-13421
- AUDIO FREQUENCIES**
Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408
Emergency locating transmitter
[NASA-CASE-GSC-12821-2] c 33 N91-31530
- AUDIO SIGNALS**
Method and apparatus for operating on companded PCM voice data
[NASA-CASE-KSC-11285-1] c 32 N86-27513
- AUDITORY DEFECTS**
Hearing aid malfunction detection system
[NASA-CASE-MSC-14916-1] c 33 N78-10375
Visual aid for the hearing impaired
[NASA-CASE-GSC-13027-1-CU] c 35 N91-27522
- AUDITORY PERCEPTION**
Auditory display for the blind
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- AUDITORY SIGNALS**
Audio signal processor Patent
[NASA-CASE-MSC-12223-1] c 07 N71-26181
Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244
Head related transfer function pseudo-stereophony
[NASA-CASE-ARC-11919-1-NP] c 71 N94-23312
- AUDITORY STIMULI**
Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014
- AUGER EFFECT**
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482
- AUSTENITE**
Fastening apparatus having shape memory alloy actuator
[NASA-CASE-MSC-21935-1] c 37 N93-13423
- AUSTENITIC STAINLESS STEELS**
Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257
- AUTOCLAVES**
System for sterilizing objects — cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- AUTOCORRELATION**
Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
- AUTOMATIC CONTROL**
Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607
Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
Automatic welding speed controller Patent
[NASA-CASE-XMF-01730] c 15 N71-23050
Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042

Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276

Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605

Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861

Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182

Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244

Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754

Automatic control of liquid cooling garment by cutaneous and external auditory meatous temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098

Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244

Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246

Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771

Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071

Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107

Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771

Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968

Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014

Traffic survey system --- using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888

Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396

Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466

Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529

Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257

Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474

Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245

Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116

Solar energy control system --- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686

Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356

Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N85-20337

Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182

Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N86-20668

Automated weld torch guidance control system
[NASA-CASE-MFS-25807-2] c 37 N86-21850

Airplane automatic control force trimming device for asymmetric engine failures
[NASA-CASE-LAR-13280-1] c 08 N87-20999

Self indexing latch system
[NASA-CASE-MFS-25956-1] c 37 N87-21333

Solder dross removal apparatus
[NASA-CASE-MFS-28406-1] c 37 N91-13729

Standard remote manipulator system docking target augmentation for automated docking
[NASA-CASE-MFS-28419-1] c 18 N91-27200

Ultra-high temperature stability Joule-Thomson cooler with capability to accommodate pressure variations
[NASA-CASE-NPO-18184-1-CU] c 35 N92-29156

Operator-tailored adjustable control station with movable monitors and cameras for viewing systems in robotics and teleoperations
[NASA-CASE-NPO-17837-1-CU] c 74 N93-17273

Welding wire pressure sensor assembly
[NASA-CASE-MFS-26216-1] c 37 N93-28951

Spline screw autochanger
[NASA-CASE-GSC-13435-1] c 37 N93-29505

AUTOMATIC CONTROL VALVES

Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925

Metal valve pintle with encapsulated elastomeric body Patent
[NASA-CASE-MSC-12116-1] c 15 N71-17648

Semitoroidal diaphragm cavating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615

Valving device for automatic refilling in cryogenic liquid systems
[NASA-CASE-NPO-11177] c 15 N72-17453

Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050

Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784

Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N83-36483

AUTOMATIC FREQUENCY CONTROL

Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543

Audio signal processor Patent
[NASA-CASE-MSC-12223-1] c 07 N71-26181

Automatic frequency control loop including synchronous switching circuits
[NASA-CASE-KSC-10393] c 09 N72-21247

Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231

Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N87-22895

Frequency domain laser velocimeter signal processor
[NASA-CASE-LAR-13552-1-CU] c 33 N89-14385

AUTOMATIC GAIN CONTROL

Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330

Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986

Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231

Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373

Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356

Frequency domain laser velocimeter signal processor
[NASA-CASE-LAR-13552-1-CU] c 33 N89-14385

AUTOMATIC TEST EQUIPMENT

Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072

Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330

Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793

Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694

Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402

Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987

AUTOMATION

Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480

General method of pattern classification using the two-domain theory
[NASA-CASE-MSC-21737-1] c 61 N93-18282

AUTOMOBILE ENGINES

Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545

Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352

AUTOMOBILE FUELS

Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700

AUTONOMOUS NAVIGATION

Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047

Bilevel shared control for teleoperators
[NASA-CASE-NPO-17800-1-CU] c 37 N92-22036

AUTONOMY

Closed-loop autonomous docking system
[NASA-CASE-MFS-28421-1] c 18 N92-28750

AUXILIARY POWER SOURCES

Independent power generator
[NASA-CASE-LAR-11208-1] c 44 N78-32539

Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319

AVERAGE

Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701

AVIONICS

Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N87-22678

AXES (REFERENCE LINES)

Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992

Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951

Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355

AXES OF ROTATION

Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279

Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954

Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688

Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255

Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882

Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N84-28081

Shoulder and hip joint for hard space suits
[NASA-CASE-ARC-11543-1] c 54 N86-28620

AXIAL COMPRESSION LOADS

Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411

Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312

AXIAL FLOW

Monogroove heat pipe design: Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180

Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194

AXIAL FLOW PUMPS

Dual motion valve with single motion input
[NASA-CASE-MFS-28058-1] c 37 N87-21332

Rotor self-lubricating axial stop
[NASA-CASE-MFS-28273-1] c 37 N88-23974

AXIAL FLOW TURBINES

Multi-stage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412

Multi-stage multiple-reentry turbine Patent
[NASA-CASE-XLE-00085] c 28 N70-39895

Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335

AXIAL LOADS

Locking device with rolling detents Patent
[NASA-CASE-XMF-01371] c 15 N70-41829

Method for measuring biaxial stress in a body subjected to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511

Metallic threaded composite fastener
[NASA-CASE-MSC-21580-1] c 37 N92-21726

Pressure vessel flex joint
[NASA-CASE-MSC-21748-1] c 37 N92-21727

AXIAL STRESS

Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459

Method for measuring biaxial stress in a body subjected to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511

AZIMUTH

Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627

Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091

Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056

Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882

AZINES

Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307

Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016

Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259

AZO COMPOUNDS

Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177

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- Vinyl stilbazoles
[NASA-CASE-ARC-11429-3CU] c 27 N87-16908
Polyimidazoles via aromatic nucleophilic displacement
[NASA-CASE-LAR-14145-1] c 27 N92-28751
Poly(1,3,4-oxadiazoles) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14427-1] c 23 N92-29141

B

BACK INJURIES

- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662

BACKGROUND NOISE

- Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
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- Rotating-unbalanced-mass devices and methods for scanning balloon-borne-experiments, free-flying spacecraft, and space shuttle/space station attached experiments
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Radiation direction detector including means for compensating for photocell aging Patent
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Interferometer direction sensor Patent
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Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
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Technique of elbow bending small jacketed transfer lines Patent
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[NASA-CASE-NPO-10637] c 15 N72-12409
Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496
Bimetallic fluid displacement apparatus — for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

BINARY CODES

Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313

BINARY DATA

Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693
Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654
Modulator for tone and binary signals — phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981
Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691
VLSI binary updown counter
[NASA-CASE-NPO-17205-1-CU] c 60 N90-21525
Unipolar terminal-atttractor based neural associative memory with adaptive threshold
[NASA-CASE-NPO-18790-1-CU] c 63 N94-15958

BINARY DIGITS

Logarithmic converter Patent
[NASA-CASE-XLA-00471] c 08 N70-34778
Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
Binary number sorter Patent
[NASA-CASE-NPO-10112] c 08 N71-12502
Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295
High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176
A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254
Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850
Long period pseudo random number sequence generator
[NASA-CASE-NPO-17241-1-CU] c 33 N90-23636

BINARY FLUIDS

Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503

BINARY TO DECIMAL CONVERTERS

Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423
High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544
BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
High speed direct binary-to-binary coded decimal converter
[NASA-CASE-KSC-10326] c 08 N72-21197
Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

BINAURAL HEARING

Leak detection utilizing analog binaural (VLSI) techniques
[NASA-CASE-NPO-18399-1-CU] c 33 N94-17323

BINDERS (MATERIALS)

Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347
Method of making single crystal fibers
[NASA-CASE-LEW-14921-1] c 24 N91-13502
Heat transfer device and method of making the same
[NASA-CASE-LEW-14162-1] c 34 N91-13668
Method of making carbide/fluoride/silver composites
[NASA-CASE-LEW-14902-1] c 24 N91-27244
Method of making contamination-free ceramic bodies
[NASA-CASE-LEW-14984-1] c 27 N92-16122
Guanidine based vehicle/binders for use with oxides, metals, and ceramics
[NASA-CASE-LEW-15314-2] c 27 N93-28423
Thin composite solid electrolyte film for lithium batteries
[NASA-CASE-NPO-18694-1-CU] c 33 N94-17325
Guanidine based vehicle/binders for use with oxides, metals, and ceramics
[NASA-CASE-LEW-15314-1] c 27 N94-20195

BINOCULARS

Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882

BIOASSAY

Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844
Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714

BIODEGRADATION

Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654

BIODYNAMICS

Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
Rotationally actuated prosthetic helping hand
[NASA-CASE-MFS-28426-1] c 54 N91-32795

BIOELECTRIC POTENTIAL

Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769

BIOELECTRICITY

Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002
Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698

BIOENGINEERING

Bio-isolated dc operational amplifier — for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851
Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
Bio-medical flow sensor — intravenous procedures
[NASA-CASE-MSC-18761-1] c 52 N83-27577
Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
Medical clip
[NASA-CASE-LAR-12650-1] c 52 N84-28388

BIOINSTRUMENTATION

Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002
Ultrasonic biomedical measuring and recording apparatus — for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726
Subminiature insertable force transducer — including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896

- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772
Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
Snap-in compressible biomedical electrode
[NASA-CASE-MS-C-14623-1] c 52 N77-28717
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691
Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MS-C-16777-1] c 51 N80-27067
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Logic-controlled occlusive cuff system
[NASA-CASE-MS-C-14836-1] c 52 N82-11770
Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863
- BIOLOGICAL EFFECTS**
Rotating bio-reactor cell culture apparatus
[NASA-CASE-MS-C-21293-1] c 51 N91-21700
Hollow fiber clinostat for simulating microgravity in cell culture
[NASA-CASE-MFS-28370-1] c 35 N92-31790
Kinetic tetrazolium microtiter assay
[NASA-CASE-MS-C-21979-1] c 51 N93-17049
Extra-corporeal blood access, sensing, and radiation methods and apparatuses
[NASA-CASE-MS-C-21775-1] c 52 N94-20372
- BIOLUMINESCENCE**
Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- BIOMEDICAL DATA**
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
- BIOMETRICS**
Pressed disc type sensing electrodes with ion- screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
Compressible biomedical electrode
[NASA-CASE-MS-C-13648] c 05 N72-27103
Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763
Rapid quantification of an internal property --- ultrasonic determination of bladder urine quantity
[NASA-CASE-LAR-13689-1-NP] c 35 N87-23941
- BIOPROCESSING**
Spiral vane bioreactor
[NASA-CASE-MS-C-21361-1] c 51 N91-21701
- BIOREACTORS**
Bio-reactor chamber
[NASA-CASE-MS-C-20929-1] c 51 N91-14703
Rotating bio-reactor cell culture apparatus
[NASA-CASE-MS-C-21293-1] c 51 N91-21700
Spiral vane bioreactor
[NASA-CASE-MS-C-21361-1] c 51 N91-21701
Horizontally rotated cell culture system with a coaxial tubular oxygenator
[NASA-CASE-MS-C-21294-1] c 51 N91-30667
Three-dimensional cultured glioma cell lines
[NASA-CASE-MS-C-21843-1-NP] c 51 N92-24052
Three-dimensional co-culture process
[NASA-CASE-MS-C-21560-1] c 51 N92-34229
Three-dimensional cell to tissue assembly process
[NASA-CASE-MS-C-21559-1] c 51 N92-34231
High aspect reactor vessel and method of use
[NASA-CASE-MS-C-21662-1] c 51 N92-34232
Method for culturing mammalian cells in a perfused bioreactor
[NASA-CASE-MS-C-21293-2] c 51 N93-10109
Method for culturing mammalian cells in a horizontally rotated bioreactor
[NASA-CASE-MS-C-21294-2] c 51 N93-10110
High density cell culture system
[NASA-CASE-MS-C-22060-1] c 51 N93-19037
Apparatus and method for cellulose processing using microwave pretreatment
[NASA-CASE-MS-C-21936-1-SB] c 25 N93-22036
- BIOTECHNOLOGY**
Bio-reactor chamber
[NASA-CASE-MS-C-20929-1] c 51 N91-14703
Rotating bio-reactor cell culture apparatus
[NASA-CASE-MS-C-21293-1] c 51 N91-21700
Rapidly quantifying the relative distention of a human bladder
[NASA-CASE-LAR-13901-2] c 52 N92-11621
- BIOTELEMETRY**
Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342
Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MS-C-14180-1] c 52 N76-14757
Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347
Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- BIPOLAR TRANSISTORS**
Voltage regulator for battery power source --- using a bipolar transistor
[NASA-CASE-FRC-10116-1] c 33 N79-23345
Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
High-gain AlGaAs/GaAs double heterojunction Darlington phototransistors for optical neural networks
[NASA-CASE-NPO-18101-1-CU] c 74 N91-25841
Method and apparatus for increasing resistance of bipolar buried layer integrated circuit devices to single-event upsets
[NASA-CASE-NPO-17573-2-CU] c 33 N92-16196
- BIPOLARITY**
Method and apparatus for increasing resistance of bipolar buried layer integrated circuit devices to single-event upsets
[NASA-CASE-NPO-17573-2-CU] c 33 N92-16196
GaAs-based optoelectronic neurons
[NASA-CASE-NPO-18497-1-CU] c 63 N93-24599
- BIREFRINGENCE**
Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
Birefringent filter design
[NASA-CASE-LAR-13887-1] c 36 N92-16290
- BIREFRINGENT FILTERS**
Birefringent filter design
[NASA-CASE-LAR-13887-1] c 36 N92-16290
- BISMALEIMIDE**
Amine terminated bisaspartimide polymer
[NASA-CASE-ARC-11421-2] c 27 N86-31726
Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304
Vinyl stilbazoles
[NASA-CASE-ARC-11429-3CU] c 27 N87-16908
Bis (4-(3,4-dimethylene-pyrrolyl)-phenyl) methane
[NASA-CASE-LAR-13965-2-CU] c 23 N91-14418
N-(3-ethynylphenyl)maleimide
[NASA-CASE-LAR-14188-2] c 23 N91-14419
Polyimide from bis(n-isoprenyl)s of aryl diamides
[NASA-CASE-LAR-14330-2-CU] c 27 N93-22033
- BISMUTH**
Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
Alkali metal for ultraviolet band-pass filter
[NASA-CASE-NPO-18433-1-CU] c 74 N94-10657
- BISMUTH COMPOUNDS**
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
- BISTABLE CIRCUITS**
AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
- BIT SYNCHRONIZATION**
Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Method and apparatus for a single channel digital communications system --- synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132
- BITERNARY CODE**
Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
- BITS**
Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MS-C-12743-1] c 32 N79-10263
- BITUMENS**
Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-33012
- BLACK BODY RADIATION**
Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474
- BLADDER**
Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
Rapid quantification of an internal property --- ultrasonic determination of bladder urine quantity
[NASA-CASE-LAR-13689-1-NP] c 35 N87-23941
Rapidly quantifying the relative distention of a human bladder
[NASA-CASE-LAR-13901-1-NP] c 52 N90-21519
Rapidly quantifying the relative distention of a human bladder
[NASA-CASE-LAR-13901-2] c 52 N92-11621
- BLADE TIPS**
Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- BLADES**
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
- BLADES (CUTTERS)**
Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- BLANKETS**
Improved composite flexible blanket insulation
[NASA-CASE-ARC-11955-1-CU] c 24 N94-15926
- BLAST LOADS**
Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
- BLOCK COPOLYMERS**
Imide/arylene ether copolymers
[NASA-CASE-LAR-14159-1-CU] c 27 N92-31792
- BLOOD**
Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
Extra-corporeal blood access, sensing, and radiation methods and apparatuses
[NASA-CASE-MS-C-21775-1] c 52 N94-20372
- BLOOD FLOW**
Logic-controlled occlusive cuff system
[NASA-CASE-MS-C-14836-1] c 52 N82-11770

BLOOD PRESSURE

- Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent [NASA-CASE-XMS-06061] c 05 N71-23317
- Apparatus and method for processing Korotkov sounds — for blood pressure measurement [NASA-CASE-MSC-13999-1] c 52 N74-26626
- Arterial pulse wave pressure transducer [NASA-CASE-GSC-11531-1] c 52 N74-27566
- Circuit for detecting initial systole and diastolic notch — for monitoring arterial pressure [NASA-CASE-LEW-11581-1] c 54 N75-13531

BLOOD VESSELS

- Non-invasive method and apparatus for measuring pressure within a pliable vessel [NASA-CASE-ARC-11264-2] c 52 N83-29991

BLUFF BODIES

- Annular supersonic decelerator or drogue Patent [NASA-CASE-XLE-00222] c 02 N70-37939

BLUNT BODIES

- Flow field simulation Patent [NASA-CASE-LAR-11138] c 12 N71-20436

BODIES OF REVOLUTION

- Conforming polisher for aspheric surface of revolution Patent [NASA-CASE-XGS-02884] c 15 N71-22705
- Moment of inertia test fixture Patent [NASA-CASE-XGS-01023] c 14 N71-22992

BODY FLUIDS

- Programmable physiological infusion [NASA-CASE-ARC-10447-1] c 52 N74-22771
- Method of detecting and counting bacteria [NASA-CASE-GSC-11917-2] c 51 N76-29891
- Micro-fluid exchange coupling apparatus [NASA-CASE-ARC-11114-1] c 51 N81-14605

BODY KINEMATICS

- Space suit having improved waist and torso movement [NASA-CASE-ARC-10275-1] c 05 N72-22092
- Controller arm for a remotely related slave arm [NASA-CASE-ARC-11052-1] c 37 N79-28551
- Kinesimetric method and apparatus [NASA-CASE-MSC-18929-1] c 39 N83-20280

BODY MEASUREMENT (BIOLOGY)

- Biomedical ultrasonoscope [NASA-CASE-ARC-10994-1] c 52 N76-33835
- Miniature implantable ultrasonic echosonometer [NASA-CASE-ARC-11035-1] c 52 N79-18580
- Kinesimetric method and apparatus [NASA-CASE-MSC-18929-1] c 39 N83-20280
- Apparatus for determining changes in limb volume [NASA-CASE-MSC-18759-1] c 52 N83-27578

BODY TEMPERATURE

- Garmets for controlling the temperature of the body Patent [NASA-CASE-XMS-10269] c 05 N71-24147
- Miniature ingestible telemeter devices to measure deep-body temperature [NASA-CASE-ARC-10583-1] c 52 N76-29894
- Method for thermal monitoring subcutaneous tissue [NASA-CASE-LAR-13028-1] c 52 N85-30618

BODY VOLUME (BIOLOGY)

- Whole body measurement systems — for weightlessness simulation [NASA-CASE-MSC-13972-1] c 52 N74-10975
- Apparatus for determining changes in limb volume [NASA-CASE-MSC-18759-1] c 52 N83-27578

BODY-WING CONFIGURATIONS

- Free wing assembly for an aircraft [NASA-CASE-FRC-10092-1] c 05 N79-12061
- Means for controlling aerodynamically induced twist [NASA-CASE-LAR-12175-1] c 05 N82-28279

BOILERS

- Boiler for generating high quality vapor Patent [NASA-CASE-XLE-00785] c 33 N71-16104
- Shell side liquid metal boiler [NASA-CASE-NPO-10831] c 33 N72-20915
- Carbon granule probe microphone for leak detection — recovery boilers [NASA-CASE-NPO-16027-1] c 35 N85-21597

BOILING

- Process for making a noble metal on tin oxide catalyst [NASA-CASE-LAR-13741-1-SB] c 25 N90-20180
- Boron-containing organosilane polymers and ceramic materials thereof [NASA-CASE-ARC-11649-2-SB] c 27 N90-21177
- Cellulose triacetate, thin film dielectric capacitor [NASA-CASE-NPO-18935-1-CU] c 33 N94-15952

BOLMETERS

- Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent [NASA-CASE-XNP-01193] c 10 N71-16057
- Thin film capacitive bolometer and temperature sensor Patent [NASA-CASE-NPO-10607] c 09 N71-27232

Wedge immersed thermistor bolometers

- [NASA-CASE-XGS-01245-1] c 35 N79-33449

BOLTED JOINTS

- Optimized bolted joint [NASA-CASE-LAR-13250-1] c 37 N86-27630
- Device for measuring hole elongation in a bolted joint [NASA-CASE-LAR-13453-1] c 37 N88-14361
- Clevis joint for deployable space structures [NASA-CASE-LAR-13898-1] c 37 N91-15544
- Robot-friendly connector — space truss structures [NASA-CASE-MSC-21864-1] c 37 N92-23544
- Slip joint connector [NASA-CASE-MFS-28659-1] c 37 N93-17080
- Robot-friendly connector — space truss structures [NASA-CASE-MSC-21864-1] c 37 N93-20117

BOLTS

- Gas actuated bolt disconnect Patent [NASA-CASE-XLA-00326] c 03 N70-34667
- Despin weight release Patent [NASA-CASE-XLA-00679] c 15 N70-38601
- Inspection gage for boss Patent [NASA-CASE-XMF-04966] c 14 N71-17658
- Split nut separation system Patent [NASA-CASE-XNP-06914] c 15 N71-21489
- Fastener stretcher [NASA-CASE-GSC-11149-1] c 15 N73-30457
- Optimized bolted joint [NASA-CASE-LAR-13250-1] c 37 N86-27630
- Bearing-bypass material system test [NASA-CASE-LAR-13458-1] c 35 N88-23967
- High reliability robot friendly ORU interface [NASA-CASE-GSC-13360-1] c 37 N92-23377
- Saddle clamp assembly [NASA-CASE-MFS-28701-1] c 37 N93-17057
- Slip joint connector [NASA-CASE-MFS-28659-1] c 37 N93-17080
- Mold bolt and means for achieving close tolerances between bolts and bolt holes [NASA-CASE-MFS-28720-1] c 37 N94-20379
- Split spline screw [NASA-CASE-GSC-13434-1] c 37 N94-23082

BONDING

- Bonding graphite with fused silver chloride [NASA-CASE-XGS-00963] c 15 N69-39735
- Bonded joint and method — for reducing peak shear stress in adhesive bonds [NASA-CASE-LAR-10900-1] c 37 N74-23064
- Bonding method in the manufacture of continuous regression rate sensor devices [NASA-CASE-LAR-10337-1] c 24 N75-30260
- Strain arrestor plate for fused silica tile — bonding of thermal insulation to metallic plates or structural parts [NASA-CASE-MSC-14182-1] c 27 N76-14264
- Bonding machine for forming a solar array strip [NASA-CASE-NPO-13652-2] c 44 N79-24431
- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide [NASA-CASE-GSC-11577-3] c 24 N79-25143
- Method of making a partial interlaminar separation composite system [NASA-CASE-LAR-12065-2] c 24 N81-33235
- Attachment system for silica tiles — thermal protection for space shuttle orbiter [NASA-CASE-MSC-18741-1] c 27 N82-29456
- Surface texturing of fluoropolymers [NASA-CASE-LEW-13028-1] c 27 N82-33521
- Heat sealable, flame and abrasion resistant coated fabric [NASA-CASE-MSC-18382-2] c 27 N84-14324
- Insulation bonding test system [NASA-CASE-MFS-25862-1] c 27 N85-20126
- Cryogenic insulation strength and bond tester [NASA-CASE-MFS-25910-1] c 39 N86-20841
- Method for forming hermetic seals [NASA-CASE-NPO-16423-1-CU] c 37 N87-21334
- Tool and process for miniature explosive joining of tubes [NASA-CASE-LAR-13662-1] c 37 N88-14359
- Method for maintaining precise suction strip porosities [NASA-CASE-LAR-13638-1] c 31 N90-19427
- Ceramic coatings on smooth surfaces [NASA-CASE-LEW-15164-1] c 27 N91-25298
- A method and apparatus for indicating disbands in joint regions [NASA-CASE-LAR-14626-1] c 38 N92-17859
- Core design for use with precision composite reflectors [NASA-CASE-NPO-17858-1-CU] c 24 N93-14700
- A process for preparing an assembly of an article and a soluble polyimide which resists dimensional change, delamination, and debonding when exposed to changes in temperature [NASA-CASE-LAR-14763-1] c 27 N94-20373

BONES

- Ultrasonic bone densitometer [NASA-CASE-MFS-20994-1] c 35 N75-12271

- Method and system for in vivo measurement of bone tissue using a two level energy source [NASA-CASE-MSC-14276-1] c 52 N77-14737
- Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement [NASA-CASE-NPO-13764-1] c 27 N78-17215

BOOLEAN ALGEBRA

- VLSI binary updown counter [NASA-CASE-NPO-17205-1-CU] c 60 N90-21525

BOOMS (EQUIPMENT)

- Folding boom assembly Patent [NASA-CASE-XGS-00938] c 32 N70-41367
- Collapsible antenna boom and transmission line Patent [NASA-CASE-MFS-20068] c 07 N71-27191
- Minimech self-deploying boom mechanism [NASA-CASE-GSC-10566-1] c 15 N72-18477
- Mechanically extendible telescoping boom [NASA-CASE-NPO-11118] c 03 N72-25021
- Extended moment arm anti-spin device [NASA-CASE-LAR-12979-1] c 05 N85-21147
- Space station erectable manipulator placement system [NASA-CASE-MSC-21096-1] c 18 N89-12621

BOOSTER RECOVERY

- Recoverable rocket vehicle Patent [NASA-CASE-XMF-00389] c 31 N70-34176
- Recoverable single stage spacecraft booster Patent [NASA-CASE-XMF-01973] c 31 N70-41588
- Orbiter/launch system [NASA-CASE-LAR-12250-1] c 14 N81-26161
- A two-stage earth-to-orbit transport with translating oblique wings for booster recovery [NASA-CASE-LAR-14156-1] c 16 N90-16781

BOOSTER ROCKET ENGINES

- Segmented back-up bar Patent [NASA-CASE-XMF-00640] c 15 N70-39924
- Recoverable single stage spacecraft booster Patent [NASA-CASE-XMF-01973] c 31 N70-41588
- Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank [NASA-CASE-MFS-25853-1] c 16 N84-27784
- Earth-to-orbit vehicle providing a reusable orbital stage [NASA-CASE-LAR-13486-1] c 16 N90-22584

BOOTS (FOOTWEAR)

- Walking boot assembly [NASA-CASE-ARC-11101-1] c 54 N78-17675

BOREHOLES

- Method for machining holes in composite materials [NASA-CASE-MFS-28044-1] c 31 N87-25491

BORIDES

- Method of making a light weight battery plaque [NASA-CASE-LEW-13349-1] c 26 N84-22734
- Boron-containing organosilane polymers and ceramic materials thereof [NASA-CASE-ARC-11649-1-SB] c 27 N88-29040
- High temperature refractory member with radiation emissive overcoat [NASA-CASE-NPO-17122-1-CU] c 27 N91-14489

BORING MACHINES

- Boring bar drive mechanism Patent [NASA-CASE-XLA-03661] c 15 N71-33518
- Borehole geological assessment [NASA-CASE-NPO-14231-1] c 46 N80-10709

BORON

- Radiation hardening of MOS devices by boron — for stabilizing gate threshold potential of field effect device [NASA-CASE-GSC-11425-1] c 76 N74-20329
- Boron-containing organosilane polymers and ceramic materials thereof [NASA-CASE-ARC-11649-2-SB] c 27 N90-21177

BORON CARBIDES

- Catalyst for growth of boron carbide single crystal whiskers [NASA-CASE-XHQ-03903] c 15 N69-21922

BORON CHLORIDES

- Preparation of B-trichloroborazine [NASA-CASE-ARC-11643-1-SB] c 23 N87-23698

BORON COMPOUNDS

- Boron-containing organosilane polymers and ceramic materials thereof [NASA-CASE-ARC-11649-1-SB] c 27 N88-29040

BORON FLUORIDES

- Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge [NASA-CASE-ARC-11057-1] c 27 N78-31233

BORON OXIDES

- Toughened uni-piece fibrous insulation [NASA-CASE-ARC-11888-1] c 24 N92-16026

BOROSILICATE GLASS

- Method for repair of thin glass coatings — on space shuttle orbiter tiles [NASA-CASE-KSC-11097-1] c 27 N82-33520
- Toughened uni-piece fibrous insulation [NASA-CASE-ARC-11888-1] c 24 N92-16026

- Pressure transducer and system for cryogenic environments
[NASA-CASE-LAR-14579-1] c 35 N92-29097
- Ceramic fiber reinforced glass-ceramic matrix composite
[NASA-CASE-LEW-15262-1] c 24 N93-26100
- BOULES**
Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- BOUNDARY CONDITIONS**
Suspension device for low-frequency structures
[NASA-CASE-LAR-14272-1-CU] c 14 N93-24598
- BOUNDARY LAYER CONTROL**
Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-13226-1] c 02 N81-14968
- Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N91-14562
- Passive laminar flow control of crossflow vorticity
[NASA-CASE-LAR-13563-1] c 34 N91-23410
- Swept wing attachment line contamination fence
[NASA-CASE-LAR-13400-1] c 02 N93-22015
- Method of reducing drag in aerodynamic systems
[NASA-CASE-LEW-14791-1] c 02 N94-10672
- BOUNDARY LAYER FLOW**
Combined riblet and lebu drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N88-14071
- Boundary layer relaminarization device
[NASA-CASE-LAR-14470-1] c 02 N93-11876
- BOUNDARY LAYER SEPARATION**
Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
- Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
- Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
- Stall departure resistance enhancer
[NASA-CASE-LAR-14221-1] c 06 N93-19023
- BOUNDARY LAYER STABILITY**
Swept wing attachment line contamination fence
[NASA-CASE-LAR-13400-1] c 02 N93-22015
- BOUNDARY LAYER TRANSITION**
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- Crossflow vorticity sensor
[NASA-CASE-LAR-13436-1-CU] c 02 N88-23759
- Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N89-12551
- Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N91-14562
- BOUNDARY LAYERS**
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- Boundary layer relaminarization device
[NASA-CASE-LAR-14470-1] c 02 N93-11876
- BOXES (CONTAINERS)**
Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
- Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N87-14355
- BRACKETS**
Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- Airfoil flutter model suspension system
[NASA-CASE-LAR-13522-1-SB] c 09 N87-25334
- Locking hinge
[NASA-CASE-MSC-21056-1] c 18 N88-23827
- Robot cable-compliant devices
[NASA-CASE-GSC-13127-1] c 37 N91-17388
- Removable hand hold
[NASA-CASE-LEW-15196-1] c 37 N92-29092
- BRAIDED COMPOSITES**
Method and apparatus for three dimensional braiding
[NASA-CASE-LAR-14047-1] c 31 N93-19038
- BRAILLE**
Braille reading system
[NASA-CASE-LAR-13306-1] c 82 N87-29372
- BRAKES**
Preloaded brake disc
[NASA-CASE-MSC-21132-1] c 37 N88-29181
- BRAKES (FOR ARRESTING MOTION)**
Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
- Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
- Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
- Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479
- Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369
- Moving body velocity arresting line --- stainless steel cables with energy absorbing sleeves
[NASA-CASE-LAR-12372-1] c 37 N82-18601
- Bidirectional drive and brake mechanism
[NASA-CASE-MSC-21540-1] c 37 N91-32514
- Single acting translation/rotational brake
[NASA-CASE-LAR-14738-1] c 37 N93-29175
- Electromagnetic brake/clutch device
[NASA-CASE-GSC-13502-1] c 37 N94-23969
- BRAKING**
Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
- Linear magnetic brake with two windings Patent
[NASA-CASE-XLE-05079] c 15 N71-17652
- Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726
- Roller locking brake
[NASA-CASE-GSC-13376-1] c 37 N92-21728
- BRAZING**
Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311
- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
- Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455
- BREATHING APPARATUS**
Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051
- Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900
- Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799
- BRICKS**
Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921
- BRIDGMAN METHOD**
Apparatus and procedure to detect a liquid-solid interface during crystal growth in a bridgman furnace
[NASA-CASE-LAR-13597-1-CU] c 25 N87-23713
- BRIGHTNESS**
Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
- BRIGHTNESS DISCRIMINATION**
Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
- Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
- Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890
- BRITTLENESS**
Rock sampling --- apparatus for controlling particle size
[NASA-CASE-XNP-10007-1] c 46 N74-23068
- Rock sampling --- method for controlling particle size distribution
[NASA-CASE-XNP-09755] c 46 N74-23069
- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- Directional solidification of superalloys
[NASA-CASE-MFS-28314-1] c 26 N91-14462
- BROADBAND**
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
- Flexible blade antenna Patent
[NASA-CASE-MSC-12101] c 09 N71-18720
- Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583
- Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
- High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
- Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271
- Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013
- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- Broadband optical radiation detector
[US-PATENT-4,262,198] c 74 N83-19597
- Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- Multispectral variable magnification glancing incidence x ray telescope
[NASA-CASE-MFS-28013-4] c 89 N92-33012
- BROADBAND AMPLIFIERS**
Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
- Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415
- BROADCASTING**
Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194
- Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-1] c 32 N91-13598
- Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-2] c 32 N92-10128
- BROMINATION**
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N86-19380
- Brominated graphitized carbon fibers
[NASA-CASE-LEW-14698-2] c 27 N92-10090
- BROMINE**
Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641
- Brominated graphitized carbon fibers
[NASA-CASE-LEW-14698-2] c 27 N92-10090
- BROMINE COMPOUNDS**
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451
- BRONZES**
Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- BRUSH SEALS**
High temperature, flexible pressure-actuated, brush seal
[NASA-CASE-LEW-15086-1] c 37 N92-16318
- BRUSHES**
Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
- BRUSHES (ELECTRICAL CONTACTS)**
Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017
- BUBBLES**
Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- BUCKLING**
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
- Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323
- BUFFER STORAGE**
Data handling system based on source significance, storage availability and data received from the source Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675
- Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- Buffered analog converter
[NASA-CASE-KSC-10397] c 08 N72-25206
- Common data buffer system --- communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779
- Braille reading system
[NASA-CASE-LAR-13306-1] c 82 N87-29372
- BUFFERS (CHEMISTRY)**
Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
- BUILDINGS**
Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454
- BULBS**
External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362

BULKHEADS

BULKHEADS

- Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
- Tube coupling device
[NASA-CASE-MFS-25964-2] c 37 N87-22977
- Pressure vessel flex joint
[NASA-CASE-MSC-21748-1] c 37 N92-21727

BUOYANCY

- Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063

BURNERS

- Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276

BURNING RATE

- Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
- Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
- Nitramine propellants — gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255

BURNOUT

- Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381

BURNS (INJURIES)

- Medical diagnosis system and method with multispectral imaging — depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- Method and apparatus for characterizing reflected ultrasonic pulses
[NASA-CASE-LAR-13966-1] c 71 N91-27914

BUS CONDUCTORS

- Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

BUSHINGS

- Overcenter collet space station truss fastener
[NASA-CASE-MSC-21504-1] c 18 N91-21221

BUTANES

- Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227

BUTT JOINTS

- Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
- Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
- Apparatus for welding sheet material — butt joints
[NASA-CASE-XMS-01330] c 37 N75-27376

BUTTERFLY VALVES

- Flexible seal for valves Patent
[NASA-CASE-XLE-00101] c 15 N70-33376
- Hybrid butterfly valve
[NASA-CASE-SSC-00004-1] c 37 N91-14609

BUTYRIC ACID

- Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227

BYPASSES

- Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
- Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
- Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212
- Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
- Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- Thrust reverser for a long duct fan engine — for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
- Valve malfunction detection apparatus
[NASA-CASE-MFS-29904-1] c 35 N93-29503

C

CABLE FORCE RECORDERS

- Winch having cable position and load indicators Patent
[NASA-CASE-MSC-12052-1] c 15 N71-24599

CABLES

- Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512
- Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- Cable suspended windmill
[NASA-CASE-LAR-13434-1] c 37 N90-23742

CABLES (ROPES)

- High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201

Cable arrangement for rigid tethering Patent

- [NASA-CASE-XLA-02332] c 32 N71-17609
- Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
- Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
- Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994
- Flexible/rigidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485
- Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453
- Reefing system
[NASA-CASE-LAR-10129-2] c 37 N74-20063
- Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844
- Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
- Moving body velocity arresting line — stainless steel cables with energy absorbing sleeves
[NASA-CASE-LAR-12372-1] c 37 N82-18601
- Selectable towline spin chute system
[NASA-CASE-LAR-14322-1] c 02 N91-27139
- Counter-balanced, multiple cable construction crane
[NASA-CASE-LAR-14565-1-CU] c 37 N94-20369

CADMIUM COMPOUNDS

- Pretreatment of lubricated surfaces with sputtered cadmium oxide
[NASA-CASE-LEW-14474-1] c 27 N91-28423

CADMIUM SULFIDES

- High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
- CDS solid state phase insensitive ultrasonic transducer — annealing cadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559
- Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826

CALCIUM

- Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271

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- Bonded solid lubricant coating Patent
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Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-16337-1-CU] c 33 N87-22894

CARRIER WAVES

Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
Modulator for tone and binary signals — phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981

CARRIERS

Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744

CARTESIAN COORDINATES

Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179
Two dimensional vernier
[NASA-CASE-MSC-21700-1] c 35 N92-22039

CARTRIDGES

Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813

CASCADE CONTROL

Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245

CASCADE FLOW

Cascade plug nozzle — for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117
Thrust reverser for a long duct fan engine — for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293
Degassing and mixing apparatus for liquids — potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652

CASE BONDED PROPELLANTS

Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179

CASES (CONTAINERS)

Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
Protected isotope heat source — for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
Low temperature storage container for transporting perishables to space station
[NASA-CASE-MFS-28248-1] c 31 N88-24817

CASSEGRAIN ANTENNAS

Cassegrain antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000

CASSEGRAIN OPTICS

Wide acceptance angle, high concentration ratio, optical collector
[NASA-CASE-MFS-28295-1] c 74 N91-13999

CASTING

Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
Texturing polymer surfaces by transfer casting — cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-2] c 26 N89-14303
High density tape casting system
[NASA-CASE-NPO-16901-1-CU] c 31 N90-19425
Pressure rig for repetitive casting
[NASA-CASE-LAR-14050-1] c 31 N90-21216
A tough performance simultaneous semi-interpenetrating polymer network
[NASA-CASE-LAR-14339-1] c 27 N90-26955
Helmet of a laminate construction of polycarbonate and polysulfone polymeric material
[NASA-CASE-MSC-21503-1] c 27 N92-10091
Polyimide molding powder, coating, adhesive, and matrix resin
[NASA-CASE-LAR-14163-1] c 27 N92-33014
Low pressure process for continuous fiber reinforced polyamic acid resin matrix composite laminates
[NASA-CASE-LAR-14954-1] c 24 N92-34214
Silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-1] c 24 N93-11543
Method of producing a silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-2] c 24 N94-15929
Cellulose triacetate, thin film dielectric capacitor
[NASA-CASE-NPO-18935-1-CU] c 33 N94-15952

CASTINGS

Method of making an apertured casting — using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570

CATALYSIS

- Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
- Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374

CATALYSTS

- Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
- Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
- Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
- Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides — flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
- Negative electrode catalyst for the iron chromium redox energy storage system
[NASA-CASE-LEW-14028-1] c 44 N86-19721
- Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-2-SB] c 25 N90-20154
- Process for making a noble metal on tin oxide catalyst
[NASA-CASE-LAR-13741-1-SB] c 25 N90-20180
- Catalyst for carbon monoxide oxidation
[NASA-CASE-LAR-14155-1-SB] c 25 N90-23517
- Catalyst for carbon monoxide oxidation
[NASA-CASE-LAR-14155-2-SB] c 25 N91-21270
- Atomic oxygen protective coating with resistance to undercutting at defect sites
[NASA-CASE-LEW-15306-1] c 27 N93-20566
- Method for retarding oxidation of an organic substrate
[NASA-CASE-LEW-15306-2] c 27 N93-28425

CATALYTIC ACTIVITY

- Diesel engine catalytic combustor system — aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808

CATCHERS

- Load limiting energy absorbing lightweight debris catcher
[NASA-CASE-MSC-21562-1] c 16 N92-16007

CATHETERIZATION

- Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
- Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095

CATHODE RAY TUBES

- Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
- Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
- Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182
- Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
- CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
- Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
- Very high intensity light source using a cathode ray tube — electron beams
[NASA-CASE-XNP-01296] c 33 N75-27250

CATHODES

- Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
- Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190
- Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084

- Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
- Storage battery comprising negative plates of a wedge shaped configuration — for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693
- Method and apparatus for rebalancing a REDOX flow cell system
[NASA-CASE-LEW-14127-1] c 33 N86-20680
- Apparatus for mounting a field emission cathode
[NASA-CASE-LEW-14108-1] c 33 N87-28832
- Dual cathode system for electron beam instruments
[NASA-CASE-NPO-16878-1-CU] c 35 N90-20351
- Organic cathode for a secondary battery
[NASA-CASE-NPO-17604-1-CU] c 33 N91-14536
- Copper chloride cathode for a secondary battery
[NASA-CASE-NPO-17640-1-CU] c 33 N91-14538
- Plasma gun with coaxial powder feed and adjustable cathode
[NASA-CASE-LEW-14901-1] c 75 N91-25875
- Metal chloride cathode for a battery
[NASA-CASE-NPO-17809-1-CU] c 33 N91-27478
- Alkali metal carbon dioxide electrochemical system for energy storage and/or conversion of carbon dioxide to oxygen
[NASA-CASE-LEW-14973-1] c 44 N93-28974
- Electron reversal ionizer for detection of trace species using a spherical cathode
[NASA-CASE-NPO-18870-1-CU] c 72 N94-17329

CATHOLYTES

- Organic cathode for a secondary battery
[NASA-CASE-NPO-17604-1-CU] c 33 N91-14536

CATIONS

- Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-29360

CAVITATION FLOW

- Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615

CAVITIES

- Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
- Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
- Method of constructing dish ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
- Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524
- Method and apparatus for producing concentric hollow spheres — inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
- High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- Passive venting technique for shallow cavities
[NASA-CASE-LAR-14031-1] c 05 N90-20079
- Pressure rig for repetitive casting
[NASA-CASE-LAR-14050-1] c 31 N90-21216
- Circumferential pressure probe
[NASA-CASE-LAR-13775-1] c 35 N90-23706
- Measurement of waves in flows across a surface
[NASA-CASE-NPO-17479-1-CU] c 34 N91-13658
- Passive venting technique for shallow cavities
[NASA-CASE-LAR-13875-1] c 05 N91-27156

CAVITY RESONATORS

- Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
- System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616
- Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
- Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
- System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146
- Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
- Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
- Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384

- Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- Electro-optic resonant phase modulator
[NASA-CASE-NPO-18702-1-CU] c 74 N92-23551
- Three point lead screw positioning apparatus for a cavity tuning plate
[NASA-CASE-LEW-15216-1] c 37 N94-20375

CELESTIAL BODIES

- Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
- Position determination systems — using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250

CELESTIAL NAVIGATION

- Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

CELL ANODES

- Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
- Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
- Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581

CELL CATHODES

- Overcharge and overdischarge protection of ambient temperature secondary lithium cells
[NASA-CASE-NPO-18343-1-CU] c 33 N93-11456
- Overcharge and overdischarge protection of ambient temperature secondary lithium cells
[NASA-CASE-NPO-18343-1-CU] c 33 N94-23823

CELL DIVISION

- Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769

CELLS

- Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742

CELLS (BIOLOGY)

- System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
- Method for separating biological cells — suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715
- Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- Controlled method of reducing electrophoretic mobility of various substances
[NASA-CASE-MFS-26049-1-NP] c 25 N89-28603
- Rotating bio-reactor cell culture apparatus
[NASA-CASE-MSC-21293-1] c 51 N91-21700
- Spiral vane bioreactor
[NASA-CASE-MSC-21361-1] c 51 N91-21701
- Horizontally rotated cell culture system with a coaxial tubular oxygenator
[NASA-CASE-MSC-21294-1] c 51 N91-30667
- Three-dimensional cultured glioma cell lines
[NASA-CASE-MSC-21843-1-NP] c 51 N92-24052
- Controlled method of reducing electrophoretic mobility of macromolecules, particles, or cells
[NASA-CASE-MFS-26049-2-NP] c 25 N92-28728
- Hollow fiber clinostat for simulating microgravity in cell culture
[NASA-CASE-MFS-28370-1] c 35 N92-31790
- Three-dimensional co-culture process
[NASA-CASE-MSC-21560-1] c 51 N92-34229
- Three-dimensional cell to tissue assembly process
[NASA-CASE-MSC-21559-1] c 51 N92-34231
- High aspect reactor vessel and method of use
[NASA-CASE-MSC-21662-1] c 51 N92-34232
- Method for culturing mammalian cells in a perfused bioreactor
[NASA-CASE-MSC-21293-2] c 51 N93-10109
- Method for culturing mammalian cells in a horizontally rotated bioreactor
[NASA-CASE-MSC-21294-2] c 51 N93-10110
- High density cell culture system
[NASA-CASE-MSC-22060-1] c 51 N93-19037

CELLULOSE

- Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- Apparatus and method for cellulose processing using microwave pretreatment
[NASA-CASE-MSC-21936-1-SB] c 25 N93-22036

- Cyanoresin, cyanoresin/cellulose triacetate blends for thin film, dielectric capacitors
[NASA-CASE-NPO-18913-1-CU] c 27 N94-15930
Cellulose triacetate, thin film dielectric capacitor
[NASA-CASE-NPO-18935-1-CU] c 33 N94-15952
- CELLULOSE NITRATE**
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
- CENTERBODIES**
Multi-body aircraft with an all-movable center fuselage actively controlling fuselage pressure drag
[NASA-CASE-LAR-13511-1] c 05 N88-23765
- CENTRAL PROCESSING UNITS**
Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- CENTRIFUGAL COMPRESSORS**
Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N84-28081
- CENTRIFUGAL FORCE**
Counter pumping debris excluder and separator — gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
Vortex motion phase separator for zero gravity liquid transfer
[NASA-CASE-KSC-11387-1] c 29 N90-20236
Rotating-unbalanced-mass devices and methods for scanning balloon-borne-experiments, free-flying spacecraft, and space shuttle/space station attached experiments
[NASA-CASE-MFS-28425-1] c 35 N92-33010
- CENTRIFUGES**
Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
Centrifugal hydrophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
- CERAMIC BONDING**
Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
Composite piston
[NASA-CASE-LAR-13435-1] c 37 N88-23981
- CERAMIC COATINGS**
Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XMF-01030] c 18 N70-41583
Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
Two-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-1] c 27 N76-22377
Three-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-2] c 27 N76-23426
Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
Thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 24 N85-21266
Ceramic-ceramic shell tile thermal protection system and method thereof
[NASA-CASE-ARC-11641-1] c 24 N88-18628
Ceramic coatings on smooth surfaces
[NASA-CASE-LEW-15164-1] c 27 N91-25298
Metallic threaded composite fastener
[NASA-CASE-MS-C-21580-1] c 37 N92-21726
Plasma sprayed ceramic thermal barrier coating for NiAl-based intermetallic alloys
[NASA-CASE-LEW-15535-1] c 26 N93-31294
- CERAMIC FIBERS**
Fiber-reinforced monoclinic celsian matrix composite material
[NASA-CASE-LEW-15269-1] c 24 N93-20040
Ceramic fiber reinforced glass-ceramic matrix composite
[NASA-CASE-LEW-15262-1] c 24 N93-26100

- Ceramic silicon-boron-carbon fibers from organic silicon-boron-polymers
[NASA-CASE-ARC-11856-1-SB] c 27 N94-23311
- CERAMIC HONEYCOMBS**
Ceramic honeycomb structures and the method thereof
[NASA-CASE-ARC-11652-1] c 27 N87-23737
- CERAMIC MATRIX COMPOSITES**
Method of preparing fiber reinforced ceramic material
[NASA-CASE-LEW-14392-1] c 27 N87-28656
Fiber reinforced ceramic material
[NASA-CASE-LEW-14392-2] c 27 N89-29538
Silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-1] c 24 N93-11543
Fiber-reinforced monoclinic celsian matrix composite material
[NASA-CASE-LEW-15269-1] c 24 N93-20040
SiC fiber-reinforced Celsian glass-ceramic matrix composite
[NASA-CASE-LEW-15264-1] c 24 N93-31293
Method of producing a ceramic fiber-reinforced glass-ceramic matrix composite
[NASA-CASE-LEW-15264-2] c 24 N93-31299
Method of producing a silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-2] c 24 N94-15929
- CERAMIC NUCLEAR FUELS**
Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- CERAMICS**
Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
High temperature resistant cermet and ceramic compositions — for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
Thermal insulation attaching means — adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MS-C-12619-2] c 27 N79-12221
High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
Method of fabricating an abrasible gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886
Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N88-29040
Fiber reinforced ceramic material
[NASA-CASE-LEW-14392-2] c 27 N89-29538
Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-2-SB] c 27 N90-21177
Pressure rig for repetitive casting
[NASA-CASE-LAR-14050-1] c 31 N90-21216
Ceramic heat pipe wick
[NASA-CASE-GSC-13199-1] c 27 N90-23541
Lightweight ceramic insulation and method
[NASA-CASE-MS-C-20782-1] c 27 N90-23566
Method of making single crystal fibers
[NASA-CASE-LEW-14921-1] c 24 N91-13502
Metallic seal for thermal barrier coating systems
[NASA-CASE-LEW-15020-1] c 27 N91-15412
Ceramic coatings on smooth surfaces
[NASA-CASE-LEW-15164-1] c 27 N91-25298
Plasma gun with coaxial powder feed and adjustable cathode
[NASA-CASE-LEW-14901-1] c 75 N91-25875

- Composite flexible blanket insulation
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Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583

Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276

Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N91-14495

COAL LIQUEFACTION
Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

COAL UTILIZATION
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527

Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154

Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144

COATING
Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705

Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875

Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436

Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599

- Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
- Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
- Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
- Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587
- Ceramic coatings on smooth surfaces
[NASA-CASE-LEW-15164-1] c 27 N91-25298
- Polyimide molding powder, coating, adhesive, and matrix resin
[NASA-CASE-LAR-14163-1] c 27 N92-33014
- Oxidation resistant overlay coatings for low expansion substrates
[NASA-CASE-LEW-15154-2] c 27 N93-31300
- COATINGS**
- Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
- High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
- Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176
- Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695
- Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N89-12551
- Process for making a noble metal on tin oxide catalyst
[NASA-CASE-LAR-13741-1-SB] c 25 N90-20180
- Method of inseting predesigned disbond areas into composite laminates
[NASA-CASE-LAR-13225-1] c 24 N90-25197
- Polymer-coated surfaces to control surface zeta potential
[NASA-CASE-MFS-26050-1] c 27 N92-25397
- Process for bonding elastomers to metals
[NASA-CASE-LAR-13645-1] c 27 N93-25995
- Process to prepare
1,3-diamino-5-pentafluorosulfanylbenzene
[NASA-CASE-LAR-14773-2-CU] c 25 N93-29506
- Thin composite solid electrolyte film for lithium batteries
[NASA-CASE-NPO-18694-1-CU] c 33 N94-17325
- COAXIAL CABLES**
- Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
- Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851
- Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391
- Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
- Refrigerated coaxial coupling --- for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
- High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285
- Coaxial cable connector
[NASA-CASE-NPO-16764-1-CU] c 33 N88-14270
- COAXIAL PLASMA ACCELERATORS**
- Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
- COBALT**
- Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
- Metal (2,4,4',4''-phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- COBALT ALLOYS**
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
- High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
- Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- COBALT COMPOUNDS**
- Method of intercalating large quantities of fibrous structures
[NASA-CASE-LEW-15077-1] c 24 N92-16025
- Fabrication of nanometer single crystal metallic CoSi₂ structures on Si
[NASA-CASE-NPO-17736-2-CU] c 24 N92-18561
- COBALT OXIDES**
- High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- COCKPIT SIMULATORS**
- Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
- COCKPITS**
- Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
- CODERS**
- Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
- Modular encoder
[NASA-CASE-NPO-10629] c 08 N72-18184
- Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
- Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
- Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- VLSI single-chip (255,223) Reed-Solomon encoder with interleaver
[NASA-CASE-NPO-17280-1-CU] c 17 N90-21061
- Electrostatically suspended rotor for angular encoder
[NASA-CASE-MFS-28294-1] c 31 N91-14508
- Laser optical disk position encoder with active heads
[NASA-CASE-GSC-13175-1] c 74 N92-29133
- Picture data compression coder using subband/transform coding with a Lempel-Ziv-based coder
[NASA-CASE-LEW-15700-1] c 82 N93-28130
- CODING**
- Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
- Rate data encoder
[NASA-CASE-LAR-10128-1] c 08 N73-20217
- Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850
- Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992
- Method for Viterbi decoding of large constraint length convolutional codes
[NASA-CASE-NPO-17310-1-CU] c 17 N88-28946
- Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-2] c 32 N92-10128
- Laser optical disk position encoder with active heads
[NASA-CASE-GSC-13175-1] c 74 N92-29133
- Picture data compression coder using subband/transform coding with a Lempel-Ziv-based coder
[NASA-CASE-LEW-15700-1] c 82 N93-28130
- Rotary encoding device
[NASA-CASE-GSC-13556-1] c 61 N94-15943
- Rotary encoding device using polygonal mirror with diffraction gratings on each facet
[NASA-CASE-GSC-13543-1] c 74 N94-20240
- COEFFICIENT OF FRICTION**
- Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489
- Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
- COENZYMES**
- Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
- COHERENT ELECTROMAGNETIC RADIATION**
- Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
- Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
- COHERENT LIGHT**
- Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
- Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
- Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
- COHERENT RADIATION**
- Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
- Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
- Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
- Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- COINCIDENCE CIRCUITS**
- Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331
- COLD CATHODES**
- Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- COLD GAS**
- Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071
- COLD WELDING**
- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- COLD WORKING**
- Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- COLLAPSE**
- Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152
- COLLECTION**
- Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362
- Improved method and apparatus for waste collection and storage
[NASA-CASE-MSC-21025-1] c 31 N87-25495
- COLLIMATION**
- Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091
- Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
- Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686
- Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- Ion beam accelerator system
[NASA-CASE-NPO-15547-1] c 72 N84-16959
- Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- Laser schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N87-25862
- Ion generator and ion application system
[NASA-CASE-MFS-28122-1] c 72 N88-24253
- Self-collimated unstable resonator semiconductor laser
[NASA-CASE-NPO-18386-1-CU] c 36 N93-18277
- COLLIMATORS**
- X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389
- Multiplate focusing collimator --- for scanning small near radiation sources
[NASA-CASE-MFS-20932-1] c 35 N75-19616
- Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900

Gamma ray collimator
[NASA-CASE-SSC-00013-1] c 38 N91-32515

COLLISION AVOIDANCE
Cooperative Doppler radar system Patent
[NASA-CASE-LAR-10403] c 21 N71-11766
Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
Satellite aided vehicle avoidance system
[NASA-CASE-ERC-10419-1] c 03 N75-30132

COLLISIONS
Tool and process for miniature explosive joining of tubes
[NASA-CASE-LAR-13662-1] c 37 N88-14359

COLLOIDAL GENERATORS
Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265

COLLOIDAL PROPELLANTS
Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124
Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213

COLLOIDS
The 2 deg/90 deg laboratory scattering photometer -- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874

COLOR
Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446
Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N89-12551
Enhanced single layer multi-color or luminescent display with coactivators
[NASA-CASE-LAR-14181-1] c 76 N91-21911
Single layer multi-color luminescent display
[NASA-CASE-LAR-13616-1] c 74 N91-31950
Single layer multi-color luminescent display and method of making
[NASA-CASE-LAR-13616-3] c 74 N92-29158
A method of making a single layer multi-color luminescent display
[NASA-CASE-LAR-14811-1] c 33 N93-20119

COLOR PHOTOGRAPHY
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
Method for retarding dye fading during archival storage of developed color photographic film -- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432

COLOR TELEVISION
Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
Color television system
[NASA-CASE-MSC-12146-1] c 07 N72-17109
Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076
Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
Full color hybrid display for aircraft simulators -- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
Display system employing acousto-optic tunable filter
[NASA-CASE-NPO-18736-1-CU] c 74 N94-15933

COLOR VISION
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015

COLUMNS
Lightweight structural columns -- space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258

COLUMNS (PROCESS ENGINEERING)
Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936

COLUMNS (SUPPORTS)
Telescoping columns -- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324

COMBINATORIAL ANALYSIS
Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437

COMBINED CYCLE POWER GENERATION

Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N91-14495

COMBUSTION

Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447
Protective helmet assembly
[NASA-CASE-MSC-21842-1] c 54 N93-17088

COMBUSTION CHAMBERS

Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
Coaxial injector for reaction motors
[NASA-CASE-NPO-11095] c 15 N72-25455
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
Controlled separation combustor -- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
Combustor -- low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151
Heat exchanger -- rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298
Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
Micronized coal burner facility
[NASA-CASE-LEW-13426-1] c 25 N84-16276
Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958
Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447
Diesel engine catalytic combustor system -- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808
Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFS-25989-1] c 20 N87-14420
Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N90-11824
High-pressure promoted combustion chamber
[NASA-CASE-MSC-21470-1] c 09 N91-21157
Method of injecting fluid propellants into a rocket combustion chamber
[NASA-CASE-LEW-14846-2] c 20 N91-26200
Method of fabricating a rocket engine combustion chamber
[NASA-CASE-MFS-28569-1] c 27 N94-20541

COMBUSTION EFFICIENCY

Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958

COMBUSTION PHYSICS

Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

COMBUSTION PRODUCTS

Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
Combustor -- low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151
A system for controlling the oxygen content of a gas produced by combustion
[NASA-CASE-LAR-13257-1] c 25 N84-32447
Device for quickly sensing the amount of O₂ in a combustion product gas
[NASA-CASE-LAR-13816-1] c 35 N90-22025

COMBUSTION STABILITY

Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFS-25989-1] c 20 N87-14420

COMET TAILS

Ion mass spectrometer
[NASA-CASE-NPO-15423-1] c 35 N84-28016

COMFORT

Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445

COMMAND AND CONTROL

Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Common data buffer system -- communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779

COMMAND MODULES

Low onset rate energy absorber
[NASA-CASE-MSC-12279] c 15 N72-17450

COMMUNICATING

Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207

COMMUNICATION

Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146

COMMUNICATION CABLES

Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N86-20669

COMMUNICATION EQUIPMENT

Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654
Doppler-corrected differential detection system
[NASA-CASE-NPO-16987-1-CU] c 32 N91-25316

COMMUNICATION NETWORKS

Fault tolerant hypercube computer system architecture
[NASA-CASE-NPO-16859-1-CU] c 60 N90-21527
Distributed computing system with dual independent communications paths between computers and employing split tokens
[NASA-CASE-NPO-17185-1-CU] c 62 N91-14772
Non-blocking crossbar permutation engine with constant routing latency
[NASA-CASE-NPO-18864-1-CU] c 62 N94-17328
A scalable wrap-around shuffle exchange network with deflection routing
[NASA-CASE-NPO-18983-1-CU] c 62 N94-17330

COMMUNICATION SATELLITES

Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309

- Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009
- Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
- Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
- Satellite aided vehicle avoidance system
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[NASA-CASE-NPO-13063-1] c 25 N76-18245
- Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 60 N86-21154
- System and method for a general purpose architecture for intelligent computer-aided training
[NASA-CASE-MSC-21381-1] c 63 N91-13944
- Remote object configuration/orientation determination
[NASA-CASE-NPO-17436-1-CU] c 35 N91-15512
- COMPUTER VISION**
- Optically controlled welding system
[NASA-CASE-MFS-29291-1] c 37 N89-12868
- Method and apparatus for predicting the direction of movement in machine vision
[NASA-CASE-NPO-17552-1-CU] c 54 N92-29129
- Operator-tailored adjustable control station with movable monitors and cameras for viewing systems in robotics and teleoperations
[NASA-CASE-NPO-17837-1-CU] c 74 N93-12723
- Near real-time stereo vision system
[NASA-CASE-NPO-18593-1-CU] c 74 N93-18276
- COMPUTERIZED SIMULATION**
- Integrated time shared instrumentation display Patent
[NASA-CASE-XLA-01952] c 08 N71-12507
- Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
- Real-time simulation clock
[NASA-CASE-LAR-14056-1] c 35 N90-23713
- Discrete event simulation tool for analysis of qualitative models of continuous processing systems
[NASA-CASE-MSC-21465-1] c 61 N91-14741
- Method and apparatus for predicting the direction of movement in machine vision
[NASA-CASE-NPO-17552-1-CU] c 54 N92-29129
- Special purpose parallel computer architecture for real-time control and simulation in robotic applications
[NASA-CASE-NPO-17629-1-CU] c 60 N93-29608
- COMPUTERS**
- Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
- Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
- Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207
- Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 60 N86-21154
- System for simultaneously loading program to master computer memory devices and corresponding slave computer memory devices
[NASA-CASE-MSC-21387-1] c 61 N93-18855
- Self-checking on-line testable static RAM
[NASA-CASE-NPO-17939-1-CU] c 60 N93-22032
- CONCAVITY**
- Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003
- CONCENTRATORS**
- Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
- Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
- Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
- Non-tracking solar energy collector system
[NASA-CASE-NPO-13817-1] c 44 N79-11471
- Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
- Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
- Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
- Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1CU] c 35 N86-29174
- An improved patch for radiative coolers
[NASA-CASE-GSC-13503-1] c 37 N94-20127
- CONCENTRIC CYLINDERS**
- Flow resistivity instrument
[NASA-CASE-LAR-13053-1] c 43 N83-29783
- CONCENTRIC SPHERES**
- Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- CONCURRENT PROCESSING**
- Distributed computing system with dual independent communications paths between computers and employing split tokens
[NASA-CASE-NPO-17185-1-CU] c 62 N91-14772
- CONDENSATES**
- Apparatus for testing polymeric materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607
- Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
- Method of evaporation
[NASA-CASE-NPO-15609-2] c 25 N88-23846
- CONDENSERS (LIQUEFIERS)**
- Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
- Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
- CONDENSING**
- Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
- Polybenzimidazoles via aromatic nucleophilic displacement
[NASA-CASE-LAR-14643-1] c 27 N92-29953
- CONDUCTING FLUIDS**
- Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084
- Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
- CONDUCTING POLYMERS**
- Silicon containing electroconductive polymers and structures made therefrom
[NASA-CASE-NPO-17826-1-CU] c 27 N92-16121
- Method of continuously determining crack length
[NASA-CASE-LAR-14480-1-CU] c 39 N93-29612
- CONDUCTION ELECTRONS**
- Alternating gradient photodetector
[NASA-CASE-NPO-17235-1-CU] c 35 N90-21358
- CONDUCTIVE HEAT TRANSFER**
- Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
- Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
- Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
- Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
- Acoustic transducer apparatus with reduced thermal conduction
[NASA-CASE-NPO-17620-1-CU] c 71 N91-14808
- Coupling device with improved thermal interface
[NASA-CASE-GSC-13251-1] c 37 N92-29120
- CONDUCTIVITY**
- Integrated circuit reliability testing
[NASA-CASE-NPO-17933-1-CU] c 33 N89-29679
- CONDUCTORS**
- Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
- Method for making conductors for ferrite memory arrays --- from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- Electrorepulsive actuator
[NASA-CASE-NPO-17684-1-CU] c 33 N92-22042
- A device for testing cables
[NASA-CASE-LAR-14093-1] c 33 N94-15988
- CONES**
- Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- CONFERENCES**
- Deployable video conference table
[NASA-CASE-ARC-11950-1] c 09 N94-23310
- CONFIGURATION MANAGEMENT**
- Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1-SB] c 54 N88-24163
- Method and apparatus for configuration control of redundant robots
[NASA-CASE-NPO-17801-1-CU] c 37 N91-21544
- Obstacle avoidance for redundant robots using configuration control
[NASA-CASE-NPO-17852-1-CU] c 63 N92-33019
- New kinematic functions for redundancy resolution using configuration control
[NASA-CASE-NPO-18608-1-CU] c 63 N93-17275
- CONFINEMENT**
- Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
- CONICAL BODIES**
- Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
- Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127
- Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
- Almond test body --- for microwave anechoic chambers
[NASA-CASE-LAR-13747-1-CU] c 32 N89-28672
- CONICAL FLOW**
- Natural flow wing
[NASA-CASE-LAR-14281-1] c 02 N92-28729
- CONICAL SCANNING**
- Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214
- Conically scanned holographic lidar telescope
[NASA-CASE-GSC-13462-1] c 74 N94-20591
- CONICAL SHELLS**
- Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
- Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
- Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
- CONJUGATES**
- Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- CONNECTORS**
- Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
- Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789
- Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389
- Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N84-16560
- Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 18 N84-22605
- Connection system --- insuring against loss of a tool component without using multiple tethers
[NASA-CASE-MSC-20319-1] c 37 N85-21649
- Toggle release
[NASA-CASE-MSC-21354-1] c 37 N88-24969

Collet lock joint for space station truss
[NASA-CASE-MSC-21207-1] c 37 N88-29180

Vortex motion phase separator for zero gravity liquid transfer
[NASA-CASE-KSC-11387-1] c 29 N90-20236

Quick connect coupling
[NASA-CASE-MSC-21539-1] c 37 N91-14610

System for connecting fluid couplings
[NASA-CASE-MFS-26042-1-SB] c 37 N91-14613

Mechanized fluid connector and assembly tool system with ball detents
[NASA-CASE-MSC-21434-1] c 37 N92-10197

Method and apparatus for releasably connecting first and second objects
[NASA-CASE-MSC-21517-1] c 31 N92-16161

Robot-friendly connector — space truss structures
[NASA-CASE-MSC-21864-1] c 37 N92-23544

Connection space reduction mechanism
[NASA-CASE-GSC-13220-1] c 37 N92-29140

Fastening apparatus having shape memory alloy actuator
[NASA-CASE-MSC-21935-1] c 37 N93-13423

Work attachment mechanism/work attachment fixture
[NASA-CASE-GSC-13430-1] c 37 N93-14712

Slip joint connector
[NASA-CASE-MFS-28659-1] c 37 N93-17080

Robot-friendly connector — space truss structures
[NASA-CASE-MSC-21864-1] c 37 N93-20117

Quick connect fastener
[NASA-CASE-MFS-28833-1] c 37 N93-29846

Connector systems for structures
[NASA-CASE-MSC-21938-1] c 37 N94-15707

A device for testing cables
[NASA-CASE-LAR-14093-1] c 33 N94-15988

CONSCIOUSNESS
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729

CONSISTENCY
Constant-output atomizer — Inhalation therapy and aerosol research
[NASA-CASE-MFS-25631-1] c 34 N84-12406

CONSOLES
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310

CONSOLIDATION
Preparing composite materials from matrices of processable aromatic polyimide thermoplastic blends
[NASA-CASE-LAR-14107-1] c 24 N91-25200

CONSTANTS
Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417

CONSTRAINTS
Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694

Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512

Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377

Reeling system
[NASA-CASE-LAR-10129-2] c 37 N74-20063

Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677

Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662

End effector with astronaut foot restraint
[NASA-CASE-MSC-21721-1] c 54 N92-16559

CONSTRUCTIONS
Gas arc constriction for plasma arc welding
[NASA-CASE-MFS-28844-1] c 37 N93-31292

CONSTRUCTION
Glove attachment
[NASA-CASE-MSC-21632-1] c 54 N92-34210

Counter-balanced, multiple cable construction crane
[NASA-CASE-LAR-14565-1-CU] c 37 N94-20369

CONSTRUCTION MATERIALS
Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454

Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921

Structural panels
[NASA-CASE-ARC-11429-2-CU] c 27 N87-22845

CONTACT POTENTIALS
Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408

CONTAINERLESS MELTS
Method of crystallization — in gravity-free environments
[NASA-CASE-MFS-23001-1] c 76 N77-32919

Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828

Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650

Apparatus for production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N86-32551

Quasi-containerless glass formation method and apparatus
[NASA-CASE-MFS-28090-1] c 27 N87-21111

Apparatus and method for quiescent containerless processing of high temperature metals and alloys in low gravity
[NASA-CASE-MFS-28087-1] c 35 N87-23944

Sample levitation and melt in microgravity
[NASA-CASE-NPO-17022-1-CU] c 29 N87-25489

CONTAINERS
Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835

Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910

Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397

Sharps container
[NASA-CASE-MSC-21776-1] c 31 N92-33612

CONTAMINATION
Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991

CONTAMINANTS
Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089

Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279

Ballast system for maintaining constant pressure in a glove box
[NASA-CASE-NPO-17786-1-CU] c 35 N90-17104

Method of making contamination-free ceramic bodies
[NASA-CASE-LEW-14984-1] c 27 N92-16122

Spiral fluid separator
[NASA-CASE-MFS-28658-1] c 34 N94-20361

CONTAMINATION
Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871

Separation unit Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372

Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413

Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527

Biofilm monitoring coupon system and method of use
[NASA-CASE-MSC-21585-1] c 51 N91-31755

High velocity gas particulate sampling system
[NASA-CASE-MSC-21729-1] c 34 N92-16241

Swept wing attachment line contamination fence
[NASA-CASE-LAR-13400-1] c 02 N93-22015

CONTINUOUS RADIATION
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512

Pseudo continuous wave instrument — ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390

Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N84-27713

CONTINUOUS WAVE LASERS
High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364

Continuous plasma laser — method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416

Stark effect spectrophone for continuous absorption spectra monitoring — a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589

Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943

Tunable CW diode-pumped Tm,Ho:YLF4 laser operating at or near room temperature
[NASA-CASE-NPO-18611-1-CU] c 36 N93-30415

CONTINUOUS WAVE RADAR
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680

FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264

Method and apparatus for measuring distance
[NASA-CASE-MSC-20912-1] c 32 N88-26568

CONTINUOUS FLOW
Energy efficient continuous flow ash lockhopper
[NASA-CASE-NPO-16985-1-CU] c 31 N91-15423

CONTOUR SENSORS
Antenna surface contour control system
[NASA-CASE-LAR-13798-1] c 32 N89-25363

CONTOURS
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586

Contourograph system for monitoring electrocardiograms
[NASA-CASE-MSC-13407-1] c 10 N72-20225

Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423

Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904

Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724

Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439

Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

Surface conforming thermal/pressure seal — tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408

Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711

CONTROL
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191

Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755

Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175

Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395

Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538

Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427

Method and apparatus for detection and control of prelasing in a Q-switched laser
[NASA-CASE-LAR-14790-1] c 36 N93-19373

CONTROL BOARDS
Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090

CONTROL DATA (COMPUTERS)
Computer interface system
[NASA-CASE-NPO-13428-1] c 60 N77-12721

CONTROL EQUIPMENT
Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772

Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687

Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570

Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809

Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043

Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092

Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434

Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741

System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150

Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201

Synchronous orbit battery cyclor
[NASA-CASE-GSC-11211-1] c 03 N72-25020

Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241

Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463

Digital controller for a Baum folding machine — providing automatic counting and machine shutoff
[NASA-CASE-LAR-10688-1] c 37 N74-21056

Flow control valve — for high temperature fluids
[NASA-CASE-NPO-11951-1] c 37 N74-21065

Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041

Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721

Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10376

Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384

- Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913
- Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890
- Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686
- Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
- Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
- Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126
- Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N84-16455
- Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 16 N86-26352
- Apparatus and method of capturing an orbiting spacecraft
[NASA-CASE-MSC-20979-1] c 37 N87-22985
- Controlled sample orientation and rotation in an acoustic levitator
[NASA-CASE-NPO-17086-1-CU] c 35 N89-14422
- Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N91-14562
- Rotatable non-circular forebody flow controller
[NASA-CASE-LAR-14212-1-CU] c 05 N91-31140
- User friendly joystick
[NASA-CASE-GSC-13187-1] c 33 N92-29153
- Control and augmentation of passive porosity through transpiration control
[NASA-CASE-LAR-14682-1] c 34 N92-30387
- CONTROL ROCKETS**
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- CONTROL RODS**
Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740
- CONTROL SIMULATION**
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- CONTROL STABILITY**
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
- Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- Controlled sample orientation and rotation in an acoustic levitator
[NASA-CASE-NPO-17086-1-CU] c 35 N89-14422
- CONTROL STICKS**
User friendly joystick
[NASA-CASE-GSC-13187-1] c 33 N92-29153
- CONTROL SURFACES**
Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
- Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855
- Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108
- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968
- Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363
- Control surface actuator
[NASA-CASE-LAR-12852-1] c 05 N89-11738
- Rotatable non-circular forebody flow controller
[NASA-CASE-LAR-14212-1-CU] c 05 N91-31140
- Swept wing attachment line contamination fence
[NASA-CASE-LAR-13400-1] c 02 N93-22015
- Underwing compression vortex attenuation device
[NASA-CASE-LAR-14744-1] c 02 N94-10673
- CONTROL SYSTEMS DESIGN**
Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-2] c 37 N85-34403
- Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681
- ARC length control for plasma welding
[NASA-CASE-MSC-20900-1] c 37 N88-30131
- Spacecraft component heater control system
[NASA-CASE-MFS-28327-1] c 18 N89-28556
- Robust high-performance control for robotic manipulators
[NASA-CASE-NPO-17785-1-CU] c 37 N89-28846
- Docking mechanism for spacecraft
[NASA-CASE-MSC-21386-1] c 18 N90-20126
- Balanced bridge feedback control system
[NASA-CASE-NPO-17430-1-CU] c 33 N90-21951
- Long period pseudo random number sequence generator
[NASA-CASE-NPO-17241-1-CU] c 33 N90-23636
- System and method for a general purpose architecture for intelligent computer-aided training
[NASA-CASE-MSC-21381-1] c 63 N91-13944
- Electro-optical spin measurement system
[NASA-CASE-LAR-13629-1] c 09 N91-14356
- Combined air and water pollution control system
[NASA-CASE-NST-00007-1] c 45 N91-14662
- Permanent magnet flux-biased magnetic actuator with flux feedback
[NASA-CASE-LAR-13785-1] c 70 N91-21824
- Control circuitry using electronic emulation of a synchro signal for accurate control of position and rate of rotation for shafts
[NASA-CASE-MFS-28458-1] c 33 N91-26459
- Rotatable non-circular forebody flow controller
[NASA-CASE-LAR-14212-1-CU] c 05 N91-31140
- A universal computer control system for motors
[NASA-CASE-NPO-17134-1-CU] c 33 N91-31528
- High level language-based robotic control system
[NASA-CASE-NPO-17918-2-CU] c 63 N92-17895
- Passive control of pressure loads using porosity
[NASA-CASE-LAR-14547-1] c 34 N92-17909
- Storage control system
[NASA-CASE-LAR-14651-1] c 82 N92-30386
- Method and circuit for controlling the evolution time interval of a laser output pulse
[NASA-CASE-LAR-13772-1] c 36 N92-31788
- Hazardous materials emergency response mobile robot
[NASA-CASE-NPO-18690-1-CU] c 37 N92-34205
- Measurand transient signal suppressor
[NASA-CASE-MSC-22027-1] c 63 N93-17056
- Operator-tailored adjustable control station with movable monitors and cameras for viewing systems in robotics and teleoperations
[NASA-CASE-NPO-17837-1-CU] c 74 N93-17273
- Three-parameter tunable Tilt-Integral-Derivative (TID) controller
[NASA-CASE-NPO-18492-1-CU] c 63 N93-29176
- Telerobot control system
[NASA-CASE-NPO-18116-1-CU] c 37 N94-10670
- Reconfigurable fuzzy cell
[NASA-CASE-MSC-21613-1] c 61 N94-20492
- CONTROL THEORY**
Robust high-performance control for robotic manipulators
[NASA-CASE-NPO-17785-1-CU] c 37 N89-28846
- Method and apparatus for configuration control of redundant robots
[NASA-CASE-NPO-17801-1-CU] c 37 N91-21544
- Terminal slider control of nonlinear robotic systems
[NASA-CASE-NPO-18584-1-CU] c 37 N93-11177
- CONTROL UNITS (COMPUTERS)**
Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633
- CONTROL VALVES**
Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185
- Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867
- Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
- Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
- Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332
- Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
- Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
- Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
- Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
- Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487
- Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426
- Flow diverter valve and flow diversion method
[NASA-CASE-HON-00573-1] c 37 N79-33468
- Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
- Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- Control means for a gas turbine engine
[NASA-CASE-LEW-14586-1] c 07 N83-31603
- Slow opening valve --- valve design for shuttle portable oxygen system
[NASA-CASE-MSC-20112-1] c 37 N85-20338
- Remotely controllable mixing system
[NASA-CASE-MFS-28153-1] c 31 N86-32589
- Dual motion valve with single motion input
[NASA-CASE-MFS-28058-1] c 37 N87-21332
- Monogroove cold plate
[NASA-CASE-MSC-20946-1] c 34 N87-28867
- Low-noise nozzle valve
[NASA-CASE-MFS-28383-1] c 34 N91-14563
- Magnetically operated check valve
[NASA-CASE-MSC-22046-1] c 37 N93-28501
- High-temperature, high-pressure oxygen metering valve
[NASA-CASE-MSC-21823-1] c 37 N94-20589
- CONTROLLED ATMOSPHERES**
Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
- High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518
- Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875
- Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612
- CONTROLLERS**
Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279
- Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
- Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942
- Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340
- Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
- Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
- Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
- Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
- Thumb-actuated two-axis controller
[NASA-CASE-ARC-11372-1] c 08 N86-27288
- Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1-SB] c 54 N88-24163
- Nanosequencer digital logic controller
[NASA-CASE-NPO-16116-2] c 60 N88-29310
- Fluidic momentum controller
[NASA-CASE-MSC-20906-2] c 35 N89-15379
- Robust high-performance control for robotic manipulators
[NASA-CASE-NPO-17785-1-CU] c 37 N89-28846
- Generation of animation sequences of three dimensional models
[NASA-CASE-MSC-21379-1-SB] c 61 N90-27340
- Solder dross removal apparatus
[NASA-CASE-MFS-28406-1] c 37 N91-13729
- Method of injecting fluid propellants into a rocket combustion chamber
[NASA-CASE-LEW-14846-2] c 20 N91-26200
- A universal computer control system for motors
[NASA-CASE-NPO-17134-1-CU] c 33 N91-31528
- Synchronized computational architecture for generalized bilateral control of robot arms
[NASA-CASE-NPO-17401-1-CU] c 63 N91-31885
- A generalized compliant motion primitive
[NASA-CASE-NPO-18134-1-CU] c 37 N91-32510
- Control system for ruling blazed, aberration corrected diffraction gratings
[NASA-CASE-GSC-13240-1] c 35 N92-10186
- Apparatus for precision focussing and positioning of a beam waist on a target
[NASA-CASE-ARC-11916-1-SB] c 74 N92-16811
- Closed-loop motor control using high-speed fiber optics
[NASA-CASE-MSC-21806-1] c 74 N92-17863
- Controlling flexible robot arms using a high speed dynamics process
[NASA-CASE-NPO-18499-1-CU] c 37 N92-24042
- Controlling under-actuated robot arms using a high speed dynamics process
[NASA-CASE-NPO-18498-1-CU] c 37 N92-24043
- Closed-loop autonomous docking system
[NASA-CASE-MFS-28421-1] c 18 N92-28750

- Method for advanced material characterization by laser induced eddy current imaging
[NASA-CASE-GSC-13386-1] c 38 N92-29154
- Programmable hyperspectral image mapper with on-array processing
[NASA-CASE-NPO-17794-1-CU] c 74 N92-30104
- Phase-stepping fiber-optic projected fringe system for surface topography measurements
[NASA-CASE-LEW-14996-1] c 74 N93-11058
- Control system and method for prosthetic devices
[NASA-CASE-MSC-21941-1] c 54 N93-17087
- Gas storage and recovery system
[NASA-CASE-MSC-22091-1] c 31 N93-28136
- Three-parameter tunable Tilt-Integral-Derivative (TID) controller
[NASA-CASE-NPO-18492-1-CU] c 63 N93-29176
- Telerobot control system
[NASA-CASE-NPO-18116-1-CU] c 37 N94-10670
- Reconfigurable fuzzy cell
[NASA-CASE-MSC-21613-1] c 61 N94-20492
- Spline screw multiple rotations mechanism
[NASA-CASE-GSC-13452-1] c 37 N94-23078

CONVECTION

- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
- High temperature insulation barrier composite
[NASA-CASE-MFS-29241-1] c 24 N90-23480
- Crystal growth in a microgravity environment
[NASA-CASE-MFS-28473-1] c 76 N93-14707

CONVECTIVE FLOW

- Geysering inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12488
- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- Acoustic convective system
[NASA-CASE-NPO-17278-1-CU] c 31 N90-21215

CONVECTIVE HEAT TRANSFER

- Thin film gauge — for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095
- Acoustic convective system
[NASA-CASE-NPO-17278-1-CU] c 31 N90-21215
- Dual active surface, miniature, plug-type heat flux gauge
[NASA-CASE-LEW-15643-1] c 35 N94-15928

CONVERGENCE

- Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439
- Dual cathode system for electron beam instruments
[NASA-CASE-NPO-16878-1-CU] c 35 N90-20351
- Convergent strand array liquid pumping system
[NASA-CASE-NPO-17301-1-CU] c 31 N90-23587
- Stereoscopic camera and viewing systems with undistorted depth presentation and reduced or eliminated erroneous acceleration and deceleration perceptions, or with perceptions produced or enhanced for special effects
[NASA-CASE-NPO-18028-1-CU] c 74 N92-16809
- Unipolar terminal-attractor based neural associative memory with adaptive threshold
[NASA-CASE-NPO-18790-1-CU] c 63 N94-15958

CONVERGENT NOZZLES

- Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246

CONVERGENT-DIVERGENT NOZZLES

- Gimballed, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
- Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
- Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
- Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088
- Nozzle fabrication technique
[NASA-CASE-MSC-21299-1] c 20 N88-24684

CONVERSION

- Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 34 N86-12547

CONVERTERS

- Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391

CONVECTIVITY

- Wide acceptance angle, high concentration ratio, optical collector
[NASA-CASE-MFS-28295-1] c 74 N91-13999
- Split spline screw
[NASA-CASE-GSC-13434-1] c 37 N94-23082

CONVEYORS

- System and method for refurbishing and processing parachutes — monorial conveyor system
[NASA-CASE-KSC-11042-2] c 02 N81-26073

- Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
- Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
- Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
- Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722

CONVOLUTION INTEGRALS

- Real time pipelined system for forming the sum of products in the processing of video data
[NASA-CASE-NPO-16462-1-CU] c 60 N88-24169

COOLANTS

- Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
- Cooling apparatus and couplings therefor
[NASA-CASE-ARC-11921-1] c 34 N94-20371
- Heat exchanger with oscillating flow
[NASA-CASE-LAR-14033-2] c 34 N94-20495

COOLERS

- Flexible thermal apparatus for mounting of thermoelectric cooler
[NASA-CASE-NPO-17806-1-CU] c 31 N91-27385
- Ultra-high temperature stability Joule-Thomson cooler with capability to accommodate pressure variations
[NASA-CASE-NPO-18184-1-CU] c 35 N92-29156

COOLING

- Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
- Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
- Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
- Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
- Heating and cooling system — for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- Thermocouple for heating and cooling of memory metal actuators
[NASA-CASE-NPO-17068-1-CU] c 35 N88-29151
- Surface tension confined liquid cryogen cooler
[NASA-CASE-GSC-13112-1] c 31 N89-29578
- Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N90-11824
- High temperature electric arc furnace and method
[NASA-CASE-MFS-28281-1] c 09 N90-23415
- Crystal growth in a microgravity environment
[NASA-CASE-MFS-28473-1] c 76 N93-14707
- Semiconductor cooling apparatus
[NASA-CASE-LEW-14162-3] c 24 N93-29614

COOLING SYSTEMS

- Automatic thermal switch Patent
[NASA-CASE-XNP-03796] c 23 N71-15467
- Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
- Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
- Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHO-03673] c 33 N71-29046
- Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052
- Method and device for cooling Patent
[NASA-CASE-HON-00938] c 33 N71-29053
- Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- Light shield and cooling apparatus — high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066
- Refrigerated coaxial coupling — for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
- Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
- Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
- Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386

- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
- Closed loop spray cooling apparatus — for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237
- Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Heat exchanger — rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-1] c 34 N79-20336
- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
- Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324
- Radiative cooler — spacecraft radiators
[NASA-CASE-NPO-15465-1] c 34 N84-22903
- Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
- Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
- Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286
- Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433
- Monogroove cold plate
[NASA-CASE-MSC-20946-1] c 34 N87-28867
- Capillary heat transport and fluid management device
[NASA-CASE-MFS-28217-1] c 34 N89-14392
- Geometrical vapor blocker for parallel condensation tubes requiring cooling
[NASA-CASE-MSC-22090-1] c 34 N94-15962
- Cooling apparatus and couplings therefor
[NASA-CASE-ARC-11921-1] c 34 N94-20371

COORDINATES

- Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
- Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
- Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
- Remote object configuration/orientation determination
[NASA-CASE-NPO-17438-1-CU] c 35 N91-15512
- Method and apparatus for configuration control of redundant robots
[NASA-CASE-NPO-17801-1-CU] c 37 N91-21544

COPOLYMERIZATION

- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N84-27885
- Chemical control of nadimide cure temperature and rate
[NASA-CASE-LEW-13770-2] c 25 N85-28982
- Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560
- Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304
- Polyether-polyester graft copolymer
[NASA-CASE-LAR-13447-1] c 27 N88-18725
- Bis (4-(3,4-dimethylene-pyrrolidyl)-phenyl) methane
[NASA-CASE-LAR-13965-2-CU] c 23 N91-14418

COPOLYMERS

- Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
- Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
- Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350

- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351
- Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144
- Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N86-19380
- Poly(carbonate-mide) polymer
[NASA-CASE-LAR-13292-1] c 27 N86-24841
- Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526
- Polyether-polyester graft copolymer
[NASA-CASE-LAR-13447-1] c 27 N88-18725
- Copolyimide with a combination of flexibilizing groups
[NASA-CASE-LAR-13821-1] c 27 N90-16950
- Silicon containing electroconductive polymers and structures made therefrom
[NASA-CASE-NPO-17826-1-CU] c 27 N92-16121
- Imide/arylene ether copolymers
[NASA-CASE-LAR-14159-1-CU] c 27 N92-31792
- COPPER**
- Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
- Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
- Metal (2, 4, 4', 4'') phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
- COPPER ALLOYS**
- Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
- Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
- Aluminum alloy
[NASA-CASE-LAR-13924-1-CU] c 26 N89-28621
- Method of forming low cost, formable High T(sub c) superconducting wire
[NASA-CASE-LEW-14676-2] c 76 N90-17454
- Low cost, formable, high T(sub c) superconducting wire
[NASA-CASE-LEW-14676-1] c 33 N91-31529
- Method of fabricating a rocket engine combustion chamber
[NASA-CASE-MFS-28569-1] c 27 N94-20541
- COPPER CHLORIDES**
- Copper chloride cathode for a secondary battery
[NASA-CASE-NPO-17640-1-CU] c 33 N91-14538
- COPPER COMPOUNDS**
- Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
- Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- COPPER FLUORIDES**
- Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
- COPPER OXIDES**
- Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587
- An improved SNS superconducting junction with weak link barrier and method of producing
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- Method of forming a root cord restrained convolute section
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- CORE STORAGE**
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[NASA-CASE-FRC-11026-1] c 24 N82-24296
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- Digital demodulator-correlator
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- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
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- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
- Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
- Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
- Corrosion resistant beryllium Patent
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[NASA-CASE-XLE-00726] c 17 N71-15644
- Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
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- Shock absorbing support and restraint means Patent
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[NASA-CASE-MSC-12279-1] c 15 N70-35679
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- Coulometer and third electrode battery charging circuit Patent
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- Reversible ring counter employing cascaded single SCR stages Patent
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- Magnetic counter Patent
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[NASA-CASE-XMS-02399] c 05 N71-22896
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- Noninterruptible digital counting system Patent
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[NASA-CASE-MSC-13201-1] c 07 N71-28429
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[NASA-CASE-MFS-21660-1] c 35 N74-21017
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- Method of continuously determining crack length
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- Fatigue testing apparatus
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- Method of inhibiting stress corrosion cracks in titanium alloys Patent
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- TV fatigue crack monitoring system
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- Method of repairing hidden leaks in tubes
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Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724

Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271

Load insensitive electrical device --- power converters for supplying direct current at one voltage from a source at another voltage
[NASA-CASE-XER-11046-2] c 33 N74-22864

CURRENT REGULATORS

Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318

Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991

Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694

Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316

Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800

Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892

Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531

Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212

Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225

Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333

Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257

Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330

Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360

Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126

Differential current source
[NASA-CASE-GSC-13280-1] c 33 N91-27479

CURVATURE

Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723

Two degree inverted flexure
[NASA-CASE-ARC-10345-1] c 15 N73-12488

Cylindrical surface profile and diameter measuring tool and method
[NASA-CASE-MFS-28287-1] c 35 N88-23959

CURVE FITTING

Voltage-current characteristic simulator Patent
[NASA-CASE-MFS-01554] c 10 N71-10578

CURVED PANELS

Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597

Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436

Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273

Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836

Variable contour securing system
[NASA-CASE-MS-C-16270-1] c 37 N78-27423

CUSHIONS

Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228

Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394

CUTTERS

Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798

Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134

Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485

Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968

CYLINDRICAL BODIES

Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905

Ophthalmic liquifaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640

Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443

System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703

Open ended tubing cutters
[NASA-CASE-MS-C-18538-1] c 37 N82-26672

Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085

Cutting head for ultrasonic lithotripsy
[NASA-CASE-GSC-12944-1] c 52 N86-19885

CUTTING

Elipsograph for pantograph Patent
[NASA-CASE-XLA-03102] c 14 N71-21079

Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478

Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992

Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085

Power saw
[NASA-CASE-MS-C-21469-1] c 37 N91-31655

Nozzle fabrication technique
[NASA-CASE-MS-C-21299-2] c 37 N91-32508

Core design for use with precision composite reflectors
[NASA-CASE-NPO-17858-1-CU] c 24 N93-14700

CYANATES

Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116

CYCLES

Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469

Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167

CYCLIC ACCELERATORS

Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458

CYCLIC COMPOUNDS

Carboranyl cyclotriphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389

Maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 23 N86-19376

Aminophenoxycyclotriphosphazene cured epoxy resins and the composites, laminates, adhesives and structures thereof
[NASA-CASE-ARC-11548-1] c 27 N87-25469

Aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-3] c 23 N88-24692

CYCLIC HYDROCARBONS

Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572

Synthesis of 2,4,8,10-tetroxaspiro5,5undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187

CYCLIC LOADS

Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276

Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877

Material fatigue testing system
[NASA-CASE-MFS-20673] c 14 N73-20476

Fatigue testing a plurality of test specimens and method
[NASA-CASE-MFS-28118-1] c 39 N87-25601

CYCLOTRON RADIATION

Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226

CYCLOTRON RESONANCE

Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163

CYCLOTRON RESONANCE DEVICES

Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163

Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952

CYLINDRICAL ANTENNAS

Variable beamwidth antenna --- with multiple beam, variable feed system
[NASA-CASE-GSC-11862-1] c 32 N76-18295

CYLINDRICAL BODIES

Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009

Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

- Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-2] c 37 N88-14360
- Cylindrical surface profile and diameter measuring tool and method
[NASA-CASE-MFS-28287-1] c 35 N88-23959
- Thermal compensating mount
[NASA-CASE-LAR-14207-1] c 35 N91-14590
- Saddle clamp assembly
[NASA-CASE-MFS-28701-1] c 37 N93-17057
- CYLINDRICAL CHAMBERS**
Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091
- CYLINDRICAL SHELLS**
Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11349-1] c 37 N86-20797
- CYSTS**
Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
- CYTOLOGY**
Spiral vane bioreactor
[NASA-CASE-MSC-21361-1] c 51 N91-21701
- Cultured normal mammalian tissue and process
[NASA-CASE-MSC-21984-1] c 51 N94-15969
- CYTOLOGY**
Quantitative method of measuring cancer cell urokinase and metastatic potential
[NASA-CASE-MSC-21715-1] c 51 N94-15967
- CZOCRALSKI METHOD**
Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105

D

DAMAGE

- Method of repairing surface damage to porous refractory substrates — space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172
- High temperature, flexible, fiber-preform seal
[NASA-CASE-LEW-15085-1] c 37 N92-22043
- Rapid detection and quantification of features such as damage or flaws in composite and metallic structures
[NASA-CASE-LAR-14850-1-CU] c 38 N93-17048
- Pressure wall patch
[NASA-CASE-MFS-28724-1] c 18 N93-17061
- Pressure wall patch
[NASA-CASE-MFS-28724-1] c 18 N94-23824

DAMAGE ASSESSMENT

- Smart accelerometer — vibration damage detection
[NASA-CASE-MSC-21951-1] c 35 N92-23545

DAMPERS (VALVES)

- Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490

DAMPING

- Dynamic precession damper for spin stabilized vehicles
Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
- Shock suppressing device and method
Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
- Attitude control and damping system for spacecraft
Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
- Passive caging mechanism
Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
- Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
- Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
- Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
- Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
- Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N86-20788
- Turbomachinery rotor support with damping
[NASA-CASE-MFS-28345-1] c 37 N91-14608
- Composite passive damping struts for large precision structures
[NASA-CASE-NPO-17914-1-CU] c 39 N93-24596
- Check valve with poppet damping mechanism
[NASA-CASE-MSC-21903-1] c 37 N94-10655
- Mechanical energy absorber
[NASA-CASE-MSC-22111-1] c 37 N94-15966
- DATA ACQUISITION**
Analog-to-digital conversion system
Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
- Position location and data collection system and method
Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090

- Analog signal integration and reconstruction system
Patent
[NASA-CASE-NPO-10344] c 10 N71-26544
- Data transfer system
Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
- Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
- Adaptive data acquisition multiplexing system and method
[NASA-CASE-MSC-21170-1] c 17 N91-14371
- Storage control system
[NASA-CASE-LAR-14651-1] c 82 N92-30386
- System for memorizing maximum values
[NASA-CASE-MSC-21922-1] c 35 N93-14841
- Flow rate logging seepage meter
[NASA-CASE-LAR-14835-1] c 35 N93-19328

DATA COLLECTION PLATFORMS

- Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007

DATA COMPRESSION

- Data compression system with a minimum time delay unit
Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
- Data compression processor
Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
- Wide range data compression system
Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
- Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
- Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
- Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
- Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-1] c 32 N91-13598
- Digital data registration and differencing compression system
[NASA-CASE-SSC-00010-1] c 82 N91-23976
- Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-2] c 32 N92-10128
- Digital data registration and differencing compression system
[NASA-CASE-SSC-00010-2] c 82 N92-23550
- Picture data compression coder using subband/transform coding with a Lempel-Ziv-based coder
[NASA-CASE-LEW-15700-1] c 82 N93-28130

DATA CONVERTERS

- Logarithmic converter
Patent
[NASA-CASE-XLA-00471] c 08 N70-34778
- Mechanical coordinate converter
Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
- Analog Signal to Discrete Time Interval Converter (ASDTIC)
[NASA-CASE-ERC-10048] c 09 N72-25251
- High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176
- Image data rate converter having a drum with a fixed head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
- Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
- Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570

DATA CORRELATION

- Instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N83-29651
- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 60 N86-21154

DATA LINKS

- Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
- Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
- Multi-computer multiple data path hardware exchange system
[NASA-CASE-NPO-13422-1] c 60 N76-14818
- Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913

- Distributed computing system with dual independent communications paths between computers and employing split tokens
[NASA-CASE-NPO-17185-1-CU] c 62 N91-14772
- A universal computer control system for motors
[NASA-CASE-NPO-17134-1-CU] c 33 N91-31528
- Fault-tolerant fiber optic backbone
[NASA-CASE-LAR-14785-1] c 74 N93-19052

DATA MANAGEMENT

- Selective data segment monitoring system — using shift registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760

DATA PROCESSING

- Energy management system for glider type vehicle
Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
- Minimal logic block encoder
Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
- Data transfer system
Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- Transient augmentation circuit for pulse amplifiers
Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
- Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
- Image data rate converter having a drum with a fixed head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
- Charge-coupled device data processor for an airborne imaging radar system
[NASA-CASE-MSC-13587-1] c 32 N77-32342
- Interactive color display for multispectral imagery using correlation clustering
[NASA-CASE-MSC-16253-1] c 32 N79-20297
- High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
- Real-time garbage collection for list processing
[NASA-CASE-MSC-20964-1] c 60 N87-14863
- Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MSC-20187-1] c 33 N87-25531
- Laser Doppler velocimeter multiplexer interface for simultaneous measured events
[NASA-CASE-ARC-11536-1] c 33 N89-14384
- Real-time simulation clock
[NASA-CASE-LAR-14056-1] c 35 N90-23713
- Digital data registration and differencing compression system
[NASA-CASE-SSC-00010-2] c 82 N92-23550

DATA PROCESSING EQUIPMENT

- Data processor having multiple sections activated at different times by selective power coupling to the sections
Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
- Demodulation system
Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
- Rate augmented digital to analog converter
Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
- Variable digital processor including a register for shifting and rotating bits in either direction
Patent
[NASA-CASE-GSC-10186] c 08 N71-33110
- Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
- Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
- Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
- Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
- Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
- High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
- Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492
- Neighborhood comparison operator
[NASA-CASE-NPO-16464-1CU] c 60 N86-24224
- Real time pipelined system for forming the sum of products in the processing of video data
[NASA-CASE-NPO-16462-1-CU] c 60 N88-24169

DATA RECORDERS

- Data compressor
Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
- Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
- Recorder/processor apparatus — for optical data processing
[NASA-CASE-GSC-11553-1] c 35 N74-15831

DATA RECORDING

- System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
- Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
- Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
- Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
- On-film optical recording of camera lens settings
[NASA-CASE-MSD-12363-1] c 14 N73-26431
- Image data rate converter having a drum with a fixed head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
- Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946

DATA REDUCTION

- Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
- Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
- Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
- Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
- Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
- Digital slope threshold data compressor
[NASA-CASE-NPO-11630] c 08 N72-33172
- Data volume reduction for imaging radar polarimetry
[NASA-CASE-NPO-17184-1-CU] c 32 N88-26541

DATA RETRIEVAL

- Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
- Asynchronous, multiplexing, single line transmission and recovery data system --- for satellite use
[NASA-CASE-NPO-13321-1] c 32 N75-26195

DATA SAMPLING

- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
- Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
- Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
- Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396

DATA SMOOTHING

- Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
- Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417

DATA STORAGE

- Data handling system based on source significance, storage availability and data received from the source Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675
- Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
- Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006
- System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
- Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
- Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
- Data storage, image tube type
[NASA-CASE-MSC-14053-1] c 60 N74-12888

- Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- Rapidly quantifying the relative distention of a human bladder
[NASA-CASE-LAR-13901-1-NP] c 52 N90-21519
- Analog hardware for learning neural networks
[NASA-CASE-NPO-17664-1-CU] c 62 N91-32852
- Disk memory device
[NASA-CASE-GSC-13196-1] c 60 N92-29132
- Nonvolatile programmable neural network synaptic array
[NASA-CASE-NPO-18578-1-CU] c 33 N92-30086
- Storage control system
[NASA-CASE-LAR-14651-1] c 82 N92-30386
- System for memorizing maximum values
[NASA-CASE-MSC-21922-1] c 35 N93-14841

DATA STRUCTURES

- Real-time garbage collection for list processing
[NASA-CASE-MSC-20964-1] c 60 N87-14863

DATA SYSTEMS

- Data handling system based on source significance, storage availability and data received from the source Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675
- Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
- Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
- Shaft mount for data coupler system
[NASA-CASE-LAR-13805-1] c 37 N94-20365

DATA TRANSFER (COMPUTERS)

- Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
- Printer port interface
[NASA-CASE-LAR-13950-1] c 60 N92-30541

DATA TRANSMISSION

- Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
- Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
- Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
- Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405
- Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
- Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
- Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
- Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
- System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
- Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
- Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
- System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221
- Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492
- Single frequency multitransmitter telemetry
[NASA-CASE-LAR-13006-1] c 17 N87-16863
- VLSI single-chip (255,223) Reed-Solomon encoder with interleaver
[NASA-CASE-NPO-17280-1-CU] c 17 N90-21061
- Printer port interface
[NASA-CASE-LAR-13950-1] c 60 N92-30541
- Shaft mount for data coupler system
[NASA-CASE-LAR-13805-1] c 37 N94-20365

DAWSONITE

- Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977

DEACTIVATION

- Magnetostriuctive roller drive motor
[NASA-CASE-GSC-13369-1] c 33 N92-15331

DEBRIS

- Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- Hypervelocity impact shield
[NASA-CASE-MSC-21420-1] c 18 N92-15114

DECAY RATES

- Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269

DECELERATION

- Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
- Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
- Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037
- Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227

DECIMALS

- High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176

DECISION MAKING

- Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
- Method for Viterbi decoding of large constraint length convolutional codes
[NASA-CASE-NPO-17310-1-CU] c 17 N88-28946
- Multiple symbol differential detection
[NASA-CASE-NPO-17896-1-CU] c 32 N91-27439
- Backward assembly planning with DFA analysis
[NASA-CASE-NPO-18817-1-CU] c 31 N93-12202
- Hidden Markov models for fault detection in dynamic systems
[NASA-CASE-NPO-18982-1-CU] c 38 N93-30413
- Neural network for processing both spatial and temporal data with time based back-propagation
[NASA-CASE-MSC-21874-1] c 63 N94-20366

DECODERS

- Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
- BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
- Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
- Compact bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371
- Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249
- Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
- Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
- Reed-Solomon decoder
[NASA-CASE-NPO-15982-1] c 60 N87-21591
- Miniaturization of flight deflection measurement system
[NASA-CASE-LAR-13628-1] c 35 N90-23707
- VLSI architecture for a Reed-Solomon decoder
[NASA-CASE-NPO-17897-1-CU] c 33 N92-33011

DECODING

- Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
- Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
- Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
- Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239
- Method for Viterbi decoding of large constraint length convolutional codes
[NASA-CASE-NPO-17310-1-CU] c 17 N88-28946

DECOMMUTATORS

- Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491

DECOMPOSITION

- Backward assembly planning with DFA analysis
[NASA-CASE-NPO-18817-1-CU] c 31 N93-12202
- Extended task space control for robotic manipulators
[NASA-CASE-NPO-18902-1-CU] c 37 N93-28129

DECONTAMINATION

- Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499

Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619

Plasma cleaning device — designed for high vacuum environments
[NASA-CASE-MFS-22906-1] c 75 N78-27913

DECOUPLING
Two fault tolerant toggle-hook release
[NASA-CASE-MSC-21671-1] c 37 N91-32498

DEEP SPACE NETWORK
Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229

DEFLECTIONS
Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447

Method and apparatus for thermographically and quantitatively analyzing a structure for disbands and/or inclusions
[NASA-CASE-LAR-14559-1] c 38 N92-29829

Method and apparatus for evaluating multilayer objects for imperfections
[NASA-CASE-LAR-14581-1-SB] c 38 N93-12204

Rapid detection and quantification of features such as damage or flaws in composite and metallic structures
[NASA-CASE-LAR-14850-1-CU] c 38 N93-17048

DEFLECTION
Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809

Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138

Miniaturization of flight deflection measurement system
[NASA-CASE-LAR-13628-1] c 35 N90-23707

Method and apparatus for deflection measurements using eddy current effects
[NASA-CASE-GSC-13506-1] c 35 N93-26103

DEFLECTORS
Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788

Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825

Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173

Exhaust flow deflector — for ducted gas flow
[NASA-CASE-LAR-11570-1] c 34 N76-18364

Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

Quantum well, beam deflecting surface emitting lasers
[NASA-CASE-NPO-18243-1-CU] c 36 N93-13418

DEFOCUSING
Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605

DEFORMATION
Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681

Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877

Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500

Cantilever clamp fitting
[NASA-CASE-MFS-28328-1] c 37 N91-13731

Probe insertion apparatus with inflatable seal
[NASA-CASE-LEW-14965-1] c 37 N91-13732

DEGASSING
Degassing and mixing apparatus for liquids — potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652

DEGREES OF FREEDOM
Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746

Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006

Kinesthetic control simulator — for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662

Synchronized computational architecture for generalized bilateral control of robot arms
[NASA-CASE-NPO-17401-1-CU] c 63 N91-31885

Configuration control of seven-degree-of-freedom arms
[NASA-CASE-NPO-18607-1-CU] c 37 N92-23553

User friendly joystick
[NASA-CASE-GSC-13187-1] c 33 N92-29153

DEHUMIDIFICATION
Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465

DEHYDRATED FOOD
Modification of the physical properties of freeze-dried rice
[NASA-CASE-MSC-13540-1] c 05 N72-33096

DEHYDRATION
Process for developing crystallinity in linear aromatic polyimides
[NASA-CASE-LAR-13732-1] c 27 N87-25474

DEICERS

Piezoelectric deicing device
[NASA-CASE-LEW-13773-2] c 33 N86-20671

Electro-expulsive separation system
[NASA-CASE-ARC-11613-1] c 33 N87-28833

DEIONIZATION

Process for making a noble metal on tin oxide catalyst
[NASA-CASE-LAR-13741-1-SB] c 25 N90-20180

DELAMINATING

Delamination test apparatus and method
[NASA-CASE-LAR-13985-1] c 24 N91-14430

Method and apparatus for evaluating multilayer objects for imperfections
[NASA-CASE-LAR-14581-1-SB] c 38 N93-12204

A process for preparing an assembly of an article and a soluble polyimide which resists dimensional change, delamination, and debonding when exposed to changes in temperature
[NASA-CASE-LAR-14763-1] c 27 N94-20373

DELAY CIRCUITS

Pulsed differential comparator circuit Patent
[NASA-CASE-XLE-03804] c 10 N71-19471

Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418

Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245

Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319

Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179

Long period pseudo random number sequence generator
[NASA-CASE-NPO-17241-1-CU] c 33 N90-23636

Vibration analyzer
[NASA-CASE-MSC-21408-1] c 37 N91-14607

DELAY LINES

A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900

DELTA MODULATION

Multifunction audio digitizer — producing direct delta and pulse code modulation
[NASA-CASE-MSC-13855-1] c 35 N74-17885

DELTA WINGS

Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986

A two-stage earth-to-orbit transport with translating oblique wings for booster recovery
[NASA-CASE-LAR-14156-1] c 16 N90-16781

Natural flow wing
[NASA-CASE-LAR-14281-1] c 02 N92-28729

DEMAGNETIZATION

Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472

DEMODULATION

Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763

Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081

Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338

Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546

Phase ambiguity resolution for offset QPSK modulation systems
[NASA-CASE-NPO-17853-1-CU] c 32 N91-25318

Digital carrier demodulator employing components working beyond normal limits
[NASA-CASE-NPO-17628-1-CU] c 32 N92-21712

DEMODULATORS

Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333

Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282

Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298

Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472

Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914

Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696

Full wave modulator-demodulator amplifier apparatus — for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939

Unbalanced quadrature demodulator
[NASA-CASE-MSC-14840-1] c 32 N77-24331

Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267

Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427

Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570

Digitized synchronous demodulator
[NASA-CASE-GSC-13237-1] c 33 N91-14550

Synchronous demodulator
[NASA-CASE-GSC-13179-1] c 33 N91-26438

DENDRITIC CRYSTALS
Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888

DENSIFICATION
Densification of porous refractory substrates — space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171

DENSITOMETERS
Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618

Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330

Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271

DENSITY (MASS/VOLUME)
Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454

Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968

DENSITY DISTRIBUTION
Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576

Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector — for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958

DENSITY MEASUREMENT
Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618

Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330

Determining particle density using known material Hugoniot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810

Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461

Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681

Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 35 N84-28018

Acoustic device and method for measuring gas densities
[NASA-CASE-NPO-18155-1-CU] c 71 N93-13421

DENTISTRY
Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072

Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

DEOXIDIZING
Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-2-SB] c 25 N90-20154

DEOXYGENATION
Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138

DEOXYRIBONUCLEIC ACID
Quantitative method of measuring cancer cell urokinase and metastatic potential
[NASA-CASE-MSC-21715-1] c 51 N94-15967

DEPLOYMENT
Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477

Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874

Antenna deployment mechanism for use with a spacecraft — extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183

High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N86-19479

Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605

Latching mechanism for deployable/re-stowable columns useful in satellite construction
[NASA-CASE-LAR-13169-1] c 37 N86-25791

Payload deployment method and system
[NASA-CASE-MSC-21330-1] c 16 N88-24660

Selectable towline spin chute system
[NASA-CASE-LAR-14322-1] c 02 N91-27139

Load limiting energy absorbing lightweight debris catcher
[NASA-CASE-MSC-21562-1] c 16 N92-16007

Self-deploying photovoltaic power system
[NASA-CASE-LEW-15308-1] c 44 N94-20196

Deployable video conference table
[NASA-CASE-ARC-11950-1] c 09 N94-23310

DEPOSITION
Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967

Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N73-26751

Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502

Diamondlike flake composites
[NASA-CASE-LEW-13837-1] c 24 N84-22695

Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153

Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826

Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550

Integrated filter and detector array for spectral imaging
[NASA-CASE-NPO-18317-1-CU] c 74 N93-13419

Method of forming a multiple layer dielectric and a hot film sensor therewith
[NASA-CASE-LAR-13678-3] c 35 N93-14714

A method of making a single layer multi-color luminescent display
[NASA-CASE-LAR-14811-1] c 33 N93-20119

DEPOSITS
Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652

DEPTH
Television monitor field shifter and an opto-electronic method for obtaining a stereo image of optimal depth resolution and reduced depth distortion on a single screen
[NASA-CASE-NPO-17249-1-CU] c 32 N89-28676

Stereoscopic camera and viewing systems with undistorted depth presentation and reduced or eliminated erroneous acceleration and deceleration perceptions, or with perceptions produced or enhanced for special effects
[NASA-CASE-NPO-18028-1-CU] c 74 N92-16809

DEPTH MEASUREMENT
Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 35 N84-28018

Mining volume measurement system
[NASA-CASE-LAR-13519-1] c 35 N88-23963

Ultrasonic depth gauge for liquids under high pressure
[NASA-CASE-LAR-13300-1-CU] c 35 N89-14407

Adjustable depth gage
[NASA-CASE-LEW-14880-1] c 35 N92-21723

DESCENT
Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844

DESIGN ANALYSIS
Airfoil shape for flight at subsonic speeds --- design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154

Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717

Aerodynamic design optimization using sensitivity analysis and computational fluid dynamics
[NASA-CASE-LAR-14815-1-CU] c 34 N92-29830

DESORPTION
Multicomponent gas sorption Joule-Thomson refrigeration
[NASA-CASE-NPO-17569-1-CU] c 31 N92-15203

DESTRUCTIVE TESTS
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503

Delamination test apparatus and method
[NASA-CASE-LAR-13985-1] c 24 N91-14430

DESULFURIZING
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527

Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154

Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246

Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282

Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371

Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743

Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253

Regenerative Cu/La zeolite supported desulfurizing sorbents
[NASA-CASE-NPO-17480-1-CU] c 25 N92-10073

DETECTION

Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569

Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573

Metallic intrusion detector system
[NASA-CASE-ARC-10265-1] c 10 N72-26240

Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696

Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435

Short range laser obstacle detector --- for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145

Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612

Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545

Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604

Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139

Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282

Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373

Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374

Spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N86-27431

Dynamic range compression/expansion of light beams by photorefractive crystals
[NASA-CASE-NPO-17140-1-CU] c 74 N89-14077

Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16617-2-CU] c 35 N90-17118

Device for quickly sensing the amount of O₂ in a combustion product gas
[NASA-CASE-LAR-13816-1] c 35 N90-22025

Method and apparatus for determining return stroke polarity of distant lightning
[NASA-CASE-MFS-26102-1-CU] c 47 N91-15661

Dual diaphragm tank with telltale drain
[NASA-CASE-MSC-21703-1] c 31 N91-25305

Accelerometer method and apparatus for integral display and control functions
[NASA-CASE-MSC-21961-1] c 35 N92-29952

Rapid detection and quantification of features such as damage or flaws in composite and metallic structures
[NASA-CASE-LAR-14850-1-CU] c 38 N93-17048

Discrete optical fiber strain sensor
[NASA-CASE-LAR-14810-1-SB] c 35 N93-19492

Pseudomonas screening assay
[NASA-CASE-NPO-17653-1-CU] c 51 N93-25994

Valve malfunction detection apparatus
[NASA-CASE-MFS-29904-1] c 35 N93-29503

A method of detecting and locating electrical current imbalances
[NASA-CASE-LEW-15407-1] c 33 N94-15706

Leak detection utilizing analog binaural (VLSI) techniques
[NASA-CASE-NPO-18399-1-CU] c 33 N94-17323

DETECTORS
Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996

Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221

Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575

Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821

Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910

Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334

Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412

Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484

Multiple pass reimaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741

Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327

Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062

Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403

Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706

Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767

Electron reversal ionizer for detection of trace species using a spherical cathode
[NASA-CASE-NPO-18870-1-CU] c 72 N94-17329

DETERGENTS
Anti-fog composition --- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834

Self-contained, single-use hose and tubing cleaning module
[NASA-CASE-MSC-20857-1] c 37 N87-17035

DETONATION
Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425

Timing control system
[NASA-CASE-NPO-16882-1-CU] c 33 N88-24863

Permanent wire splicing by an explosive joining process
[NASA-CASE-LAR-13825-1] c 31 N92-16162

Performance of blasting caps
[NASA-CASE-LAR-13832-1] c 28 N93-18274

DETONATION WAVES
Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983

DETONATORS
Performance of blasting caps
[NASA-CASE-LAR-13832-1] c 28 N93-18274

DEUTERIUM
Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146

Deuterium pass through target --- neutron emitting target
[NASA-CASE-LEW-11866-1] c 72 N76-15860

DEW POINT
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373

Wet atmospheric generation apparatus
[NASA-CASE-MFS-28177-1] c 35 N91-21496

DIAGNOSIS
Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751

Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783

Method and apparatus for characterizing reflected ultrasonic pulses
[NASA-CASE-LAR-13966-1] c 71 N91-27914

Portable dynamic fundus instrument
[NASA-CASE-MSC-21675-1] c 52 N92-28755

DIAGRAMS
Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235

DIALYSIS
Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687

DIAMAGNETISM
Electromagnetic Meissner effect launcher
[NASA-CASE-MFS-28323-1] c 14 N92-15081

Superconductive material and magnetic field for damping and levitation support and damping of cryogenic instruments
[NASA-CASE-NPO-18458-1-CU] c 35 N94-15875

DIAMETERS
Cylindrical surface profile and diameter measuring tool and method
[NASA-CASE-MFS-28287-1] c 35 N88-23959

DIAMINES
Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717

Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148

Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980

Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316

Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078

Amine terminated bisaspartamide polymer
[NASA-CASE-ARC-11421-2] c 27 N86-31726

Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727

- Polyenamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1-CU] c 27 N87-22847
- Fire and heat resistant laminating resins based on maleimide and citraconimide substituted 1-(diorgano oxyphosphoryl) methyl -2,4- and -2,6- diamino benzenes
[NASA-CASE-ARC-11533-3] c 27 N87-24564
- Polyenamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-2-CU] c 23 N89-12667
- Wet spinning of solid polyamic acid fibers
[NASA-CASE-LAR-14162-1] c 27 N90-15259
- Copolyimide with a combination of flexibilizing groups
[NASA-CASE-LAR-13821-1] c 27 N90-16950
- Acetylene terminated aspartimides and resins therefrom
[NASA-CASE-LAR-14188-1] c 27 N90-23545
- Vinyl capped addition polyimides
[NASA-CASE-LEW-15027-1] c 27 N91-13566
- N-(3-ethynylphenyl)maleimide
[NASA-CASE-LAR-14188-2] c 23 N91-14419
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-4] c 23 N91-25185
- Addition polyimides with enhanced processability
[NASA-CASE-LEW-15043-1] c 27 N91-32230
- A process for preparing an assembly of an article and a polyimide which resists dimensional change, delamination, and debonding when exposed to changes in temperature
[NASA-CASE-LAR-14773-1-CU] c 27 N92-10105
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-6] c 23 N92-17882
- Vinyl capped addition polyimides
[NASA-CASE-LEW-15027-2] c 27 N92-24053
- Polyimides with carbonyl and ether connecting groups between the aromatic rings
[NASA-CASE-LAR-14001-1] c 27 N92-33008
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-7] c 23 N93-17412
- Polyimides prepared from 3,5-diamino benzo trifluoride
[NASA-CASE-LAR-14206-1] c 27 N93-29083
- Diphenylmethane-containing dianhydride and polyimides prepared therefrom
[NASA-CASE-LAR-14487-1] c 27 N93-29085
- Process to prepare 1,3-diamino-5-pentafluorosulfanybenzene
[NASA-CASE-LAR-14773-2-CU] c 25 N93-29506
- Compounds containing meta-biphenylenedioxy moieties and polymers therefrom
[NASA-CASE-LAR-14517-1] c 27 N94-15879
- DIAMOND FILMS**
Diamond composite films for protective coatings on metals and method of formation
[NASA-CASE-NPO-18501-1-CU] c 27 N93-28426
- DIAMONDS**
Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
- Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
- Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267
- DIAPHRAGMS (MECHANICS)**
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
- Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967
- Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XAC-00731] c 11 N71-15960
- Fast opening diaphragm Patent
[NASA-CASE-XLA-03680] c 15 N71-21060
- Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072
- Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
- Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
- Fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N86-25752
- Method of making a flexible diaphragm
[NASA-CASE-MSC-20797-1] c 37 N87-23981
- Flexible diaphragm-extreme temperature usage
[NASA-CASE-MSC-20797-2] c 35 N91-21494

- Dual diaphragm tank with telltale drain
[NASA-CASE-MSC-21703-1] c 31 N91-25305
- Valve malfunction detection apparatus
[NASA-CASE-MFS-29904-1] c 35 N93-29503
- Bladder operated robotic joint
[NASA-CASE-MFS-28682-1] c 27 N94-20359
- DIATOMIC GASES**
Diatomic infrared gasdynamic laser — for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- DICHROISM**
Dichroic plate — as bandpass filters
[NASA-CASE-NPO-13506-1] c 35 N76-15435
- Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
- DICKE RADIOMETERS**
Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359
- DIDYMIUM**
Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
- DIELECTRIC PROPERTIES**
Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
- Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192
- Low noise cryogenic dielectric resonator oscillator
[NASA-CASE-NPO-17157-1-CU] c 33 N88-26596
- DIELECTRICS**
Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
- Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
- Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
- Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
- Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
- Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
- Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820
- Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762
- Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
- Electrostatic measurement system — for contact-electrifying a dielectric
[NASA-CASE-MFS-22129-1] c 33 N75-18477
- Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994
- Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
- Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
- Method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N87-28416
- Microwave field effect transistor
[NASA-CASE-GSC-12442-2] c 33 N90-20282
- Method of forming a multiple layer dielectric and a hot film sensor therewith
[NASA-CASE-LAR-13678-1] c 76 N90-24168
- Aromatic polyimides containing a dimethylsilane-linked dianhydride
[NASA-CASE-LAR-14198-1] c 27 N90-26956
- Method of forming a multiple layer dielectric and a hot film sensor therewith
[NASA-CASE-LAR-13678-3] c 35 N93-14714
- Poly(1,2,4-triazole) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14440-1] c 23 N93-18283
- Multiple layer dielectrics, hot film sensors, and methods of producing same
[NASA-CASE-LAR-14591-1] c 35 N93-19493
- Structures from low dielectric polyimides
[NASA-CASE-LAR-14988-1] c 27 N94-15880
- Cyanoresin, cyanoresin/cellulose triacetate blends for thin film, dielectric capacitors
[NASA-CASE-NPO-18913-1-CU] c 27 N94-15930
- Cellulose triacetate, thin film dielectric capacitor
[NASA-CASE-NPO-18935-1-CU] c 33 N94-15952
- Low dielectric polyimides
[NASA-CASE-LAR-14987-2] c 27 N94-17559

- DIELS-ALDER REACTIONS**
Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-6] c 25 N85-30039
- Process for crosslinking and extending conjugated diene-containing polymers
[NASA-CASE-LAR-13452-1] c 27 N87-22848
- Bis(4-(3,4-dimethylenepyrrolidyl)-phenyl) methane
[NASA-CASE-LAR-13965-1-CU] c 23 N90-21118
- Bis (4-(3,4-dimethylenepyrrolidyl)-phenyl) methane
[NASA-CASE-LAR-13965-2-CU] c 23 N91-14418
- DIENES**
Process for crosslinking and extending conjugated diene-containing polymers
[NASA-CASE-LAR-13452-1] c 27 N87-22848
- DIES**
Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
- Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817
- Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491
- Ultrasonic angle beam standard reflector — ultrasonic nondestructive inspection
[NASA-CASE-LAR-13153-1] c 71 N86-21276
- Pultrusion die assembly
[NASA-CASE-LAR-13719-1] c 37 N89-12867
- Continuous fiber thermoplastic prepreg
[NASA-CASE-LAR-14459-1] c 24 N93-24597
- DIESEL ENGINES**
Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
- Diesel engine catalytic combustor system — aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808
- DIESEL FUELS**
Regenerative Cu/La zeolite supported desulfurizing sorbents
[NASA-CASE-NPO-17480-1-CU] c 25 N92-10073
- DIETS**
Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
- DIFFERENCE EQUATIONS**
Digital data registration and differencing compression system
[NASA-CASE-SSC-00010-1] c 82 N91-23976
- DIFFERENCES**
Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
- DIFFERENTIAL AMPLIFIERS**
Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Multi-channel temperature measurement amplification system — solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474
- Amplifier for measuring low-level signals in the presence of high common mode voltage
[NASA-CASE-MFS-25868-1] c 33 N86-20670
- Synchronous demodulator
[NASA-CASE-GSC-13179-1] c 33 N91-26438
- DIFFERENTIAL INTERFEROMETRY**
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- DIFFERENTIAL PRESSURE**
Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
- Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
- Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
- Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867
- System for use in conducting wake investigation for a wing in flight — differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- DIFFERENTIAL PULSE CODE MODULATION**
Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-1] c 32 N91-13598
- Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-2] c 32 N92-10128
- DIFFERENTIATORS**
Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308
- DIFFRACTION**
Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868

DIFFRACTION PATTERNS

- Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
Radiation sensitive area detection device and method
[NASA-CASE-MFS-28563-1] c 35 N91-25388
Three dimensional moire pattern alignment
[NASA-CASE-MSC-21416-1] c 74 N91-32922
Dynamic aperture fringe discriminator
[NASA-CASE-NPO-18478-1-CU] c 74 N92-30084

DIFFRACTOMETERS

- Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491

DIFFUSE RADIATION

- Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879

DIFFUSERS

- Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749

DIFFUSION

- A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
Transmitting and reflecting diffuser --- for ultraviolet light
[NASA-CASE-LAR-10385-2] c 70 N74-13436
Polymer/riblet combination for hydrodynamic skin friction reduction
[NASA-CASE-LAR-14271-1-CU] c 27 N91-13558
Atmospheric pressure flow reactor: Gas phase chemical kinetics under tropospheric conditions without wall effects
[NASA-CASE-MSC-21384-1] c 34 N92-16243
Multi-layer light-weight protective coating and method for application
[NASA-CASE-LAR-14448-1] c 27 N93-11912

DIFFUSION LENGTH

- Alternating gradient photodetector
[NASA-CASE-NPO-17235-1-CU] c 35 N90-21358

DIFFUSION PUMPS

- Trap for preventing diffusion pump backstreaming
[NASA-CASE-GSC-10518-1] c 15 N72-22489
Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771

DIFFUSION WELDING

- Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
Bonding of reinforced Teflon to metals
[NASA-CASE-MFS-20482] c 15 N72-22492
Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MSC-14435-1] c 37 N76-18455
Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

DIFFUSIVITY

- Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture
[NASA-CASE-GSC-12883-1] c 27 N85-29044

DIGITAL COMMAND SYSTEMS

- Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805
Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034

DIGITAL COMPUTERS

- Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819
Binary number sorter Patent
[NASA-CASE-NPO-10112] c 08 N71-12502
Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925
Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135

High speed direct binary to binary coded decimal converter and scaler

- [NASA-CASE-KSC-10595] c 08 N73-12176
Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504
Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 32 N85-21428
Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333

DIGITAL DATA

- Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
Trellis coded modulation for transmission over fading mobile satellite channel
[NASA-CASE-NPO-16904-2-CU] c 32 N91-14523
Digital data registration and differencing compression system
[NASA-CASE-SSC-00010-1] c 82 N91-23976
Digital data registration and differencing compression system
[NASA-CASE-SSC-00010-2] c 82 N92-23550
Storage control system
[NASA-CASE-LAR-14651-1] c 82 N92-30386
Method and apparatus for filtering visual documents
[NASA-CASE-MSC-22093-1] c 82 N93-22017

DIGITAL ELECTRONICS

- Control circuitry using electronic emulation of a synchro signal for accurate control of position and rate of rotation for shafts
[NASA-CASE-MFS-28458-1] c 33 N91-26459

DIGITAL FILTERS

- Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175
Filtering device --- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366
Frequency domain laser velocimeter signal processor
[NASA-CASE-LAR-13552-1-CU] c 33 N89-14385
Digital carrier demodulator employing components working beyond normal limits
[NASA-CASE-NPO-17628-1-CU] c 32 N92-21712
Neural network for processing both spatial and temporal data with time based back-propagation
[NASA-CASE-MSC-21874-1] c 63 N94-20366

DIGITAL INTEGRATORS

- Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373

DIGITAL RADAR SYSTEMS

- Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297

DIGITAL SPACECRAFT TELEVISION

- Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807

DIGITAL SYSTEMS

- Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158

- Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
Noninterruptable digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176
Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
Digital slope threshold data compressor
[NASA-CASE-NPO-11630] c 08 N72-33172
Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
Digital controller for a Baum folding machine --- providing automatic counting and machine shutoff
[NASA-CASE-LAR-10688-1] c 37 N74-21056
Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486
Automatic character skew and spacing checking network --- of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353
Anti-multipath digital signal detector
[NASA-CASE-LAR-11827-1] c 32 N77-10392
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Open loop digital frequency multiplier
[NASA-CASE-MSC-12709-1] c 33 N77-24375
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
Memory-based frame synchronizer --- for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747
Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
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- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
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- Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
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- A dc to ac to dc converter having transistor synchronous rectifiers
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- Electric motive machine including magnetic bearing
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- Three phase full wave dc motor decoder
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- Bidirectional control system for energy flow in solar powered flywheel
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- Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
- Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
- Reversible motion drive system Patent
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- A satellite-tracking millimeter-wave reflector antenna system for mobile satellite-tracking
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[NASA-CASE-MSC-21961-1] c 35 N92-29952

Composite video and graphics display for camera viewing systems in robotics and teleoperation
[NASA-CASE-NPO-17836-1-CU] c 32 N93-18284

Virtual reality flight control display with six-degree-of-freedom controller and spherical orientation overlay
[NASA-CASE-NPO-18733-1-CU] c 06 N93-30416
Display system employing acousto-optic tunable filter
[NASA-CASE-NPO-18736-1-CU] c 74 N94-15933

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[NASA-CASE-MSC-21776-1] c 31 N92-33612

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Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N89-25242
Consecutive plate acoustic suppressor apparatus and methods
[NASA-CASE-LEW-15430-1] c 71 N93-17051

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Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
Converting a CO₂ atmosphere to a high-purity O₂ supply
[NASA-CASE-LAR-14398-1] c 25 N92-30098

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Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
Slow-release fertilizer
[NASA-CASE-MSC-21953-1-NP] c 37 N93-17271

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Stereoscopic camera and viewing systems with undistorted depth presentation and reduced or eliminated erroneous acceleration and deceleration perceptions, or with perceptions produced or enhanced for special effects
[NASA-CASE-NPO-18028-1-CU] c 74 N92-16809
Auto and hetero-associative memory using a 2-D optical logic gate
[NASA-CASE-NPO-17997-1-CU] c 60 N92-33057

DISTANCE MEASURING EQUIPMENT

Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
Rotary target V-block
[NASA-CASE-LAR-12007-3] c 35 N84-16523
Method and apparatus for measuring distance
[NASA-CASE-MSC-20912-1] c 32 N88-26568
Adjustable depth gage
[NASA-CASE-LEW-14880-1] c 35 N92-21723

DISTILLATION EQUIPMENT

Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

DISTRIBUTED AMPLIFIERS

Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415

DISTRIBUTED FEEDBACK LASERS

Multiperiod-grating surface-emitting lasers
[NASA-CASE-NPO-17763-1-CU] c 36 N93-14703

DISTRIBUTED PROCESSING

Distributed multiport memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342
Real-time simulation clock
[NASA-CASE-LAR-14056-1] c 35 N90-23713
Method of up-front load balancing for local memory parallel processors
[NASA-CASE-MSC-21348-1] c 62 N91-14769
Distributed computing system with dual independent communications paths between computers and employing split tokens
[NASA-CASE-NPO-17185-1-CU] c 62 N91-14772
Dynamic resource allocation scheme for distributed heterogeneous computer systems
[NASA-CASE-NPO-17197-1-CU] c 62 N91-25693

DISTRIBUTION (PROPERTY)

Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175

DISTRIBUTORS

High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332

DIVERGENT NOZZLES

Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490

DIVERTERS

Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468

DIVIDERS

A synchronous binary array divider
[NASA-CASE-ERC-10180-1] c 60 N74-20836

DOCUMENT STORAGE

File card marker Patent
[NASA-CASE-XLA-02705] c 08 N71-15908

DOMES (STRUCTURAL FORMS)

Airborne tracking sunphotometer apparatus and system
[NASA-CASE-ARC-11622-1] c 44 N88-14492

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Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690

DOPED CRYSTALS

Sub-Kelvin resistance thermometer
[NASA-CASE-GSC-13406-1] c 35 N92-33614

DOPE

Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N86-32875

DOPPLER EFFECT

Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
Doppler shift system --- system for measuring velocities of radiating particles
[NASA-CASE-HQN-10740-1] c 72 N74-19310
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N87-14669
Efficient detection and signal parameter estimation with application to high dynamic GPS receiver
[NASA-CASE-NPO-17820-1-CU] c 04 N91-14321
Doppler-corrected differential detection system
[NASA-CASE-NPO-16987-1-CU] c 32 N91-25316
Edge technique for measurement of laser frequency shifts including the Doppler shift
[NASA-CASE-GSC-13343-1] c 36 N91-28557
Doppler shift compensation system for laser transmitters and receivers
[NASA-CASE-GSC-13194-1] c 36 N93-18287

DOPPLER RADAR

Cooperative Doppler radar system Patent
[NASA-CASE-LAR-10403] c 21 N71-11766
Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MSC-18675-1] c 32 N84-22820
Doppler radar with multiphase modulation of transmitted and reflected signal
[NASA-CASE-MSC-18808-1] c 32 N90-20280

DOSIMETERS

Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430
Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311

DOWNLINKING

VLSI single-chip (255,223) Reed-Solomon encoder with interleaver
[NASA-CASE-NPO-17280-1-CU] c 17 N90-21061

DROP CHUTES

Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
Lightweight, variable solidity knitted parachute fabric --- for aerodynamic decelerators
[NASA-CASE-LAR-10776-1] c 02 N74-10034
Extended moment arm anti-spin device
[NASA-CASE-LAR-12979-1] c 05 N85-21147
Selectable towline spin chute system
[NASA-CASE-LAR-14322-1] c 02 N91-27139

DROP MEASUREMENT

Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411
Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092

System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations

[NASA-CASE-FRC-11024-1] c 02 N80-28300
Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057

DRAW REDUCTION

Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288
Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194
Combined riblet and lebu drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N88-14071
A two-stage earth-to-orbit transport with translating oblique wings for booster recovery
[NASA-CASE-LAR-14156-1] c 16 N90-16781
Compression pylon
[NASA-CASE-LAR-13777-1] c 05 N90-20078
Passive venting technique for shallow cavities
[NASA-CASE-LAR-14031-1] c 05 N90-20079
Polymer/riblet combination for hydrodynamic skin friction reduction
[NASA-CASE-LAR-14271-1-CU] c 27 N91-13558
Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N91-14562
Passive laminar flow control of crossflow vorticity
[NASA-CASE-LAR-13563-1] c 34 N91-23410
Passive venting technique for shallow cavities
[NASA-CASE-LAR-13875-1] c 05 N91-27156
Stall departure resistance enhancer
[NASA-CASE-LAR-14221-1] c 06 N93-19023
Method of reducing drag in aerodynamic systems
[NASA-CASE-LEW-14791-1] c 02 N94-10672

DRAINAGE

Dual diaphragm tank with telltale drain
[NASA-CASE-MSC-21703-1] c 31 N91-25305

DRIFT (INSTRUMENTATION)

Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
Failure detection and control means for improved drift performance of a gimbal platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175

DRILL BITS

Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034
Hole cutter --- drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186
Retractable tool bit having slider type catch mechanism
[NASA-CASE-GSC-13358-1] c 37 N93-14710

DRILLING

Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058
Method for machining holes in composite materials
[NASA-CASE-MFS-28044-1] c 31 N87-25491
Adjustable depth gage
[NASA-CASE-LEW-14880-1] c 35 N92-21723

DRILLS

Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321

DRIVES

Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126

DROP TOWERS

Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176

DROPS (LIQUIDS)

Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
Method of evaporation
[NASA-CASE-NPO-15609-2] c 25 N88-23846
Hanging drop crystal growth apparatus and method
[NASA-CASE-MFS-28206-1-SB] c 76 N90-23242
Crystal growth apparatus
[NASA-CASE-MFS-28182-1] c 76 N90-24169
Drop deployment system for crystal growth apparatus
[NASA-CASE-MFS-28422-1] c 29 N91-17250

DRUGS

Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086

SUBJECT INDEX

Human serum albumin crystals and method of preparation
[NASA-CASE-MFS-28234-1] c 52 N90-20616

DRY HEAT
Pressurized bellows flat contact heat exchanger interface
[NASA-CASE-MSC-21271-1] c 34 N90-21999

DRYING
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
Process for making a noble metal on tin oxide catalyst
[NASA-CASE-LAR-13741-1-SB] c 25 N90-20160

DRYING APPARATUS
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080

DUCTED FANS
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095

DUCTILITY
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

DUCTS
Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903
Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
Multi-path peristaltic pump
[NASA-CASE-MSC-20907-1] c 37 N87-18818
Vortex motion phase separator for zero gravity liquid transfer
[NASA-CASE-KSC-11387-1] c 29 N90-20236
Atmospheric pressure flow reactor: Gas phase chemical kinetics under tropospheric conditions without wall effects
[NASA-CASE-MSC-21384-1] c 34 N92-16243

DURABILITY
Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
Composite thermal barrier coating
[NASA-CASE-LEW-14999-1] c 24 N92-21725

DUST COLLECTORS
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[NASA-CASE-LAR-10590-1] c 15 N70-26819
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104

DYE LASERS
Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655

DYES
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
Multi-colored layers for visualizing aerodynamic flow effects
[NASA-CASE-LAR-13742-1] c 02 N92-21588

DYNAMIC CHARACTERISTICS
Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082

DYNAMIC CONTROL
Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369
System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
Dynamic pattern matcher using incomplete data
[NASA-CASE-MSC-21415-1-SB] c 61 N93-18858

DYNAMIC LOADS
Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411
Ultrasonic method and apparatus for determining crack opening load
[NASA-CASE-LAR-13889-1] c 39 N88-30160

Method and apparatus for detecting laminar flow separation and reattachment
[NASA-CASE-LAR-13952-2-SB] c 34 N91-31596

DYNAMIC MODELS
Robust high-performance control for robotic manipulators
[NASA-CASE-NPO-17785-1-CU] c 37 N89-28846
Numerical control fabrication technique for dynamic composite models
[NASA-CASE-LAR-14004-1] c 63 N93-19024

DYNAMIC MODULUS OF ELASTICITY
Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993

DYNAMIC PRESSURE
Dynamic tester for rotor seals and bearings
[NASA-CASE-MFS-28493-1] c 09 N94-10669

DYNAMIC RESPONSE
Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
Method and apparatus to characterize ultrasonically reflective contrast agents
[NASA-CASE-LAR-14989-1] c 52 N94-17085

DYNAMIC STRUCTURAL ANALYSIS
Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440
Accelerometer method and apparatus for integral display and control functions
[NASA-CASE-MSC-21961-1] c 35 N92-29952

DYNAMIC TESTS
Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
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[NASA-CASE-XMF-03248] c 11 N71-10604
Suspension device for low-frequency structures
[NASA-CASE-LAR-14272-1-CU] c 14 N93-24598
Dynamic tester for rotor seals and bearings
[NASA-CASE-MFS-28493-1] c 09 N94-10669

DYNAMICAL SYSTEMS
Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-3] c 31 N88-29052
Dynamic range compression/expansion of light beams by photorefractive crystals
[NASA-CASE-NPO-17140-1-CU] c 74 N89-14077

DYNAMOMETERS
Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429

E

EAR
Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185

EARPHONES
Multi-adjustable headband --- for headsets
[NASA-CASE-KSC-11322-1] c 54 N89-29953

EARTH ATMOSPHERE
Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991

EARTH CRUST
Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679

EARTH IONOSPHERE
Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408

EARTH ORBITAL ENVIRONMENTS
Cryogenic shutter
[NASA-CASE-GSC-13189-2] c 37 N92-29151

EARTH ORBITS
High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215
A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884
A two-stage earth-to-orbit transport with translating oblique wings for booster recovery
[NASA-CASE-LAR-14156-1] c 16 N90-16781
Orbital debris sweeper and method
[NASA-CASE-MSC-21534-1] c 18 N91-21222

ELASTIC BODIES

Assured crew return vehicle
[NASA-CASE-MSC-21536-1] c 18 N92-21999

ECCENTRICITY
Laser optical disk position encoder with active heads
[NASA-CASE-GSC-13175-1] c 74 N92-29133

ECCENTRICS
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

ECHELLE GRATINGS
Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635

ECHO SOUNDING
Ultrasonic depth gauge for liquids under high pressure
[NASA-CASE-LAR-13300-1-CU] c 35 N89-14407

ECHOES
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

EDDY CURRENTS
Apparatus and method for inspecting a bearing ball
[NASA-CASE-MFS-25833-1] c 35 N86-32698
Method for advanced material characterization by laser induced eddy current imaging
[NASA-CASE-GSC-13386-1] c 38 N92-29154
Method and apparatus for thermographically and quantitatively analyzing a structure for disbonds and/or inclusions
[NASA-CASE-LAR-14559-1] c 38 N92-29829
Method and apparatus for deflection measurements using eddy current effects
[NASA-CASE-GSC-13506-1] c 35 N93-26103

EDGES
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

EDITING
Generation of animation sequences of three dimensional models
[NASA-CASE-MSC-21379-1-SB] c 61 N90-27340

EDUCATION
Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-2] c 52 N89-16256
System and method for a general purpose architecture for intelligent computer-aided training
[NASA-CASE-MSC-21381-1] c 63 N91-13944

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Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863

EFFLUENTS
Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423
Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-16841-1] c 34 N79-24285

EGRESS
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
Emergency egress fixed rocket package
[NASA-CASE-MSC-21332-1] c 03 N91-15142

EJECTION
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502

EJECTION SEATS
Device for separating occupant from an ejection seat Patent
[NASA-CASE-XMS-04625] c 05 N71-20718

EJECTORS
Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996
Device for separating occupant from an ejection seat Patent
[NASA-CASE-XMS-04625] c 05 N71-20718
Latch/ejector unit Patent
[NASA-CASE-XLA-03538] c 15 N71-24897
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749
Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469

ELASTIC BODIES
Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
Means for suppressing or attenuating bending motion of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971

ELASTIC DEFORMATION

Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865

ELASTIC DEFORMATION

Instrument for measuring torsional creep and recovery
Patent
[NASA-CASE-XLE-01481] c 14 N71-10781
Means for suppressing or attenuating bending motion
of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971

ELASTIC MEDIA

Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156

ELASTIC PROPERTIES

Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
Meter for use in detecting tension in straps having
predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615

ELASTIC SHEETS

Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803

ELASTIC WAVES

System and method for cancelling expansion waves in
a wave rotor
[NASA-CASE-LEW-15218-1] c 34 N94-20588

ELASTOMERS

Metal valve pintle with encapsulated elastomeric body
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[NASA-CASE-MSC-12116-1] c 15 N71-17648
Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
Elastomeric silazane polymers and process for preparing
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[NASA-CASE-XMF-04133] c 06 N71-20717
Bonded elastomeric seal for electrochemical cells
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[NASA-CASE-XGS-02631] c 03 N71-23006
Conductive elastomeric extensometer
[NASA-CASE-MFS-21049-1] c 52 N74-27864
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[NASA-CASE-LAR-10073-1] c 37 N76-24575
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[NASA-CASE-NPO-13535-1] c 37 N76-31524
Process for spinning flame retardant elastomeric
compositions --- fabricating synthetic fibers for high oxygen
environments
[NASA-CASE-MSC-14331-3] c 27 N78-32262
Curable liquid hydrocarbon prepolymers containing
hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
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[NASA-CASE-NPO-13899-1] c 27 N80-32515
Viscoelastic cationic polymers containing the urethane
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[NASA-CASE-NPO-10830-1] c 27 N81-15104
Process for the preparation of fluorine containing
crosslinked elastomeric polytriazine and product so
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[NASA-CASE-ARC-11248-1] c 27 N81-17259
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[NASA-CASE-ARC-11253-1] c 27 N81-17262
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- Non-volatile, solid state bistable electrical switch
[NASA-CASE-NPO-17621-1-CU] c 33 N94-23820
- ELECTRICITY**
- Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-01903] c 22 N71-23599
- Heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N87-16875
- Selective emitters
[NASA-CASE-LEW-14731-1] c 44 N92-22037
- ELECTRO-OPTICS**
- Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11106] c 14 N70-34697
- Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
- Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
- Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
- Ultrastable calibrated light source
[NASA-CASE-MS-C-12293-1] c 14 N72-27411
- Optical conversion method --- for spacecraft television
[NASA-CASE-MS-C-12618-1] c 74 N78-17865
- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
- Adjustable mount for electro-optic transducers in an evacuated cryogenic system
[NASA-CASE-LAR-13100-1] c 37 N87-23982
- Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1-SB] c 52 N87-24874
- Electro-optical spin measurement system
[NASA-CASE-LAR-13629-1] c 09 N91-14356
- Electro-optic resonant phase modulator
[NASA-CASE-NPO-18702-1-CU] c 74 N92-23551
- Full complex modulation using two one-parameter spatial light modulators
[NASA-CASE-MS-C-22255-1] c 74 N93-28135
- ELECTROACOUSTIC TRANSDUCERS**
- Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
- Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
- CDS solid state phase insensitive ultrasonic transducer --- annealing dadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559
- Acoustic transducer apparatus with reduced thermal conduction
[NASA-CASE-NPO-17620-1-CU] c 71 N91-14808
- ELECTROACOUSTIC WAVES**
- Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
- ELECTROCARDIOGRAPHY**
- Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
- Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473

- Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MS-C-14339-1] c 05 N75-24716
- Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
- Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
- ELECTROCATALYSTS**
- Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
- Zirconium carbide as an electrocatalyst for the chromous-chromic redox couple
[NASA-CASE-LEW-13246-1] c 44 N83-27344
- ELECTROCHEMICAL CELLS**
- Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
- Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
- Non-magnetic battery case Patent
[NASA-CASE-XGS-00888] c 03 N71-11053
- Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
- Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336
- Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
- Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
- Porus electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108
- Battery testing device --- for testing cells of multiple-cell battery
[NASA-CASE-MFS-20761-1] c 44 N74-27519
- Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
- Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
- Method and device for the detection of phenol and related compounds --- in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
- Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923
- Method and apparatus for rebalancing a REDOX flow cell system
[NASA-CASE-LEW-14127-1] c 33 N86-20680
- Anode for rechargeable ambient temperature lithium cells
[NASA-CASE-NPO-18580-1-CU] c 33 N93-17278
- Alkali metal carbon dioxide electrochemical system for energy storage and/or conversion of carbon dioxide to oxygen
[NASA-CASE-LEW-14973-1] c 44 N93-28974
- ELECTROCHEMICAL MACHINING**
- Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395
- ELECTROCHEMICAL OXIDATION**
- Method and device for the detection of phenol and related compounds --- in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
- ELECTROCHEMISTRY**
- Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
- Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
- Metal chloride cathode for a battery
[NASA-CASE-NPO-17809-1-CU] c 33 N91-27478
- ELECTRODE FILM BARRIERS**
- Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313
- ELECTRODE MATERIALS**
- Overcharge and overdischarge protection of ambient temperature secondary lithium cells
[NASA-CASE-NPO-18343-1-CU] c 33 N93-11456

Overcharge and overdischarge protection of ambient temperature secondary lithium cells
[NASA-CASE-NPO-18343-1-CU] c 33 N94-23823

ELECTRODEPOSITION
Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043
Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
Electrophoretic sample insertion --- device for uniformly distributing samples in flow path
[NASA-CASE-MFS-21395-1] c 25 N74-26948
Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
Method and device for the detection of phenol and related compounds --- in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235

ELECTRODES
Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
Ionization vacuum gauge Patent
[NASA-CASE-XNP-00648] c 14 N70-35666
Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922
Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
Arc electrode of graphite with ball tip Patent
[NASA-CASE-XLE-04788] c 09 N71-22987
Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
Automatic recording McLeod gauge Patent
[NASA-CASE-XLE-03280] c 14 N71-23093
Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618
Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121
Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103
Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688
Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150
Porous electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108
High powered arc electrodes --- producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913
Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692
Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MSC-14339-1] c 05 N75-24716
Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525

Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717
Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395
Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
Multistage depressed collector for dual mode operation --- for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734
Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
Negative electrode catalyst for the iron chromium redox energy storage system
[NASA-CASE-LEW-14028-1] c 44 N86-19721
Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 35 N86-25753
Spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N86-27431
Edge geometry superconducting tunnel junctions utilizing an NbN/MgO/NbN thin film structure
[NASA-CASE-NPO-17812-1-CU] c 76 N90-17456
Microwave field effect transistor
[NASA-CASE-GSC-12442-2] c 33 N90-20282
Electrode carrying wire for GTAW welding
[NASA-CASE-MFS-29491-1] c 31 N90-26168
Substantially oxygen-free contact tube
[NASA-CASE-LAR-14169-1] c 37 N92-17677
Method for producing edge geometry superconducting tunnel junctions utilizing an NbN/MgO/NbN thin film structure
[NASA-CASE-NPO-17812-2-CU] c 76 N92-22040
High temperature solder device for flat cables
[NASA-CASE-GSC-13344-1] c 26 N92-29094
Arc/gas electrode
[NASA-CASE-MFS-29766-1] c 33 N92-33030
High energy and high power density ultracapacitors and supercapacitors
[NASA-CASE-NPO-18568-1-CU] c 33 N93-17274
Enhanced fatigue and retention in ferroelectric thin film memory capacitors by post-top electrode anneal treatment
[NASA-CASE-NPO-18551-1-CU] c 33 N93-17277
Cellulose triacetate, thin film dielectric capacitor
[NASA-CASE-NPO-18935-1-CU] c 33 N94-15952

ELECTRODIALYSIS

Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370

ELECTROFORMING

Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919

ELECTROHYDRAULIC FORMING

Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249

ELECTROHYDRODYNAMICS

Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332

ELECTROKINETICS

Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226

ELECTROLUMINESCENCE

Flat-panel, full-color, electroluminescent display
[NASA-CASE-LAR-13407-1] c 33 N87-28831
Enhanced single layer multi-color or luminescent display with coactivators
[NASA-CASE-LAR-14181-1] c 76 N91-21911
Single layer multi-color luminescent display
[NASA-CASE-LAR-13616-1] c 74 N91-31950

Single layer multi-color luminescent display and method of making
[NASA-CASE-LAR-13616-3] c 74 N92-29158

ELECTROLYSIS

Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
Polymeric electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391
Static feed water electrolysis subsystem development
[NASA-CASE-MSC-21577-1-SB] c 25 N91-23271
Water electrolysis
[NASA-CASE-MSC-21572-1-SB] c 25 N92-28756
Method for producing oxygen from lunar materials
[NASA-CASE-MSC-21759-1] c 25 N93-29617

ELECTROLYTES

Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336
Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103
Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710
Chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N84-28205
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
Thermal power transfer system using applied potential difference to sustain operating pressure difference
[NASA-CASE-NPO-18034-1-CU] c 44 N92-16457
Secondary Li battery incorporating 12-Crown-4 ether
[NASA-CASE-NPO-17922-1-CU] c 33 N92-28753

ELECTROLYTIC CELLS

Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467
Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252
Reconstituted asbestos matrix --- for use in fuel or electrolysis cells
[NASA-CASE-MSC-12568-1] c 24 N76-14204
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280
Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521
Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710
State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N85-21596
Water electrolysis
[NASA-CASE-MSC-21572-1-SB] c 25 N92-28756

ELECTROMAGNETIC ABSORPTION

Multiple pass reimaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411
Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281
Method and apparatus for determining optical absorption and emission characteristics of a crystal or non-crystalline fiber
[NASA-CASE-LAR-13963-1] c 76 N90-24150

ELECTROMAGNETIC FIELDS

Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472
Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701
Metallic intrusion detector system
[NASA-CASE-ARC-10265-1] c 10 N72-28240
Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326
Electromagnetic flow rate meter --- for liquid metals
[NASA-CASE-LEW-10981-1] c 35 N74-21018

- Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- ELECTROMAGNETIC HAMMERS**
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
- ELECTROMAGNETIC INTERFERENCE**
Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
Method and apparatus for enhancing laser absorption sensitivity
[NASA-CASE-NPO-16567-1-CU] c 36 N87-28006
Multiwavelength pyrometer for gray and non-gray surfaces in the presence of interfering radiation
[NASA-CASE-LEW-12520-1] c 35 N93-17060
- ELECTROMAGNETIC MEASUREMENT**
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
- ELECTROMAGNETIC NOISE**
Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244
Filtering device — removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366
- ELECTROMAGNETIC PROPERTIES**
Measurement apparatus and procedure for the determination of surface emissivities
[NASA-CASE-LAR-13455-1] c 32 N87-21206
- ELECTROMAGNETIC PROPULSION**
Hypervelocity gun — using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- ELECTROMAGNETIC PULSES**
Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
- ELECTROMAGNETIC PUMPS**
Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084
Heat exchanger with oscillating flow
[NASA-CASE-LAR-14033-1] c 34 N92-28752
- ELECTROMAGNETIC RADIATION**
Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097
Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980
Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
Method and apparatus for measuring electromagnetic radiation
[NASA-CASE-LEW-11159-1] c 14 N73-28488
Hyperthermia heating apparatus — cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996
Method and apparatus for measuring distance
[NASA-CASE-MSC-20912-1] c 32 N88-26568
Induction-type metal detector with increased scanning area capability
[NASA-CASE-KSC-11386-1] c 35 N90-22023
- ELECTROMAGNETIC SHIELDING**
Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397
- ELECTROMAGNETIC WAVE FILTERS**
Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410
- ELECTROMAGNETIC WAVE TRANSMISSION**
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N83-31952

- ELECTROMAGNETISM**
Detenting servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067
Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N85-20337
- ELECTROMAGNETS**
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599
Magnetic bearing — for supplying magnetic fluxes
[NASA-CASE-GSC-11079-1] c 37 N75-18574
Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 16 N86-26352
Payload retention device
[NASA-CASE-MSC-21906-1] c 37 N92-28727
Method and apparatus for using magneto-acoustic remanence to determine embrittlement
[NASA-CASE-LAR-13817-5] c 39 N92-28757
Magnetic remanence method and apparatus to test materials for embrittlement
[NASA-CASE-LAR-13817-4] c 39 N92-29101
Electromagnetic attachment mechanism
[NASA-CASE-MSC-21463-1] c 37 N92-33018
- ELECTROMECHANICAL DEVICES**
Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185
Bimetallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929
Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent
[NASA-CASE-XAC-00086] c 09 N70-33182
Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
Ferrotic solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387
Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
Magnetic field control — electromechanical torquing device
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[NASA-CASE-KSC-10126] c 11 N71-24985
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
- ENVIRONMENTS**
Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195
- ENZYMATIC ACTIVITY**
Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
- ENZYMES**
Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
Apparatus and method for cellulose processing using microwave pretreatment
[NASA-CASE-MSC-21936-1-SB] c 25 N93-22036
- EPICYCLOIDS**
Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
- EPITAXY**
Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
Method of making macrocrystalline or single crystal semiconductor material
[NASA-CASE-NPO-15904-1] c 76 N86-28760
Floating emitter solar cell
[NASA-CASE-NPO-16467-1-CU] c 33 N87-23879
Method of fabricating germanium and gallium arsenide devices
[NASA-CASE-GSC-13265-1] c 76 N91-14066
Epitaxial heterojunctions of oxide semiconductors and metals on high temperature superconductors
[NASA-CASE-NPO-18483-1-CU] c 76 N93-15151
Buried porous silicon-germanium layers in monocrystalline silicon lattices and method of producing
[NASA-CASE-NPO-18836-1-CU] c 76 N94-17327
Process for the homoepitaxial growth of single-crystal silicon carbide films on silicon carbide wafers
[NASA-CASE-LEW-15223-1] c 76 N94-20381
- EPOXY COMPOUNDS**
Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148
Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043

- Cellular thermosetting fluorodiepoxy polymers
[NASA-CASE-GSC-13008-2] c 27 N90-16949
- EPOXY MATRIX COMPOSITES**
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451
- EPOXY RESINS**
Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Curing agent for polyoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
Metal (2,4,4',4'' phthalocyanine tetraamines as curing agents for epoxy resins
[NASA-CASE-ARC-11424-1] c 27 N85-34281
Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N86-19380
Aminophenoxycyclophosphazene cured epoxy resins and the composites, laminates, adhesives and structures thereof
[NASA-CASE-ARC-11548-1] c 27 N87-25469
A process for preparing 1,3-diamino-5-pentafluorosulfanylbenzene and polymers therefrom
[NASA-CASE-LAR-14773-1-CU] c 27 N92-10105
Multiple layer dielectrics, hot film sensors, and methods of producing same
[NASA-CASE-LAR-14591-1] c 35 N93-19493
Process to prepare 1,3-diamino-5-pentafluorosulfanylbenzene
[NASA-CASE-LAR-14773-2-CU] c 25 N93-29506
- EQUATIONS OF MOTION**
Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
- EQUIPMENT**
Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
- EQUIPMENT SPECIFICATIONS**
Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
Optical torque meter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820
Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
- Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
Thermocouple tape --- developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N76-15434
Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
Remotely controlled spray gun
[NASA-CASE-MFS-28110-1] c 37 N87-24689
Improved method and apparatus for waste collection and storage
[NASA-CASE-MSC-21025-1] c 31 N87-25495
Electrostatic discharge test apparatus
[NASA-CASE-MSC-21094-1] c 35 N88-24941
- EQUIPOTENTIALS**
Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
- ERGOMETERS**
Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014
Ergometer calibrator --- for any ergometer utilizing rotating shaft
[NASA-CASE-MFS-21045-1] c 35 N75-15932
- EROSION**
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
- ERROR ANALYSIS**
Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
Digital phase-lock loop having an estimator and predictor of error
[NASA-CASE-NPO-17196-1-CU] c 32 N88-29076
Method of recertifying a loaded bearing member
[NASA-CASE-LAR-14168-1] c 39 N92-34174
Self-checking on-line testable static RAM
[NASA-CASE-NPO-17939-1-CU] c 60 N93-22032
- ERROR CORRECTING CODES**
Error correction method and apparatus for electronic timepieces
[NASA-CASE-LAR-12654-1] c 33 N83-36357
Self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 35 N84-14491
Reed-Solomon decoder
[NASA-CASE-NPO-15982-1] c 60 N87-21591
Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MSC-20187-1] c 33 N87-25531
Local area network with fault-checking, priorities, and redundant backup
[NASA-CASE-NPO-16949-1-CU] c 62 N90-19776
VLSI architecture for a Reed-Solomon decoder
[NASA-CASE-NPO-17897-1-CU] c 33 N92-33011
Mappings between codewords of two distinct (N,K) Reed-Solomon codes over GF(2 sup J)
[NASA-CASE-NPO-18771-1-CU] c 61 N93-11664
- ERROR CORRECTING DEVICES**
Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Failure detection and control means for improved drift performance of a gimbalized platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
- ERROR DETECTION CODES**
Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633
- Local area network with fault-checking, priorities, and redundant backup
[NASA-CASE-NPO-16949-1-CU] c 62 N90-19776
Hidden Markov models for fault detection in dynamic systems
[NASA-CASE-NPO-18982-1-CU] c 38 N93-30413
- ERROR SIGNALS**
Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
Triac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
Automated weld torch guidance control system
[NASA-CASE-MFS-25807-2] c 37 N86-21850
Comparator with noise suppression
[NASA-CASE-LAR-13151-1] c 33 N87-21235
Multistage estimation of received carrier signal parameters under very high dynamic conditions of the receiver
[NASA-CASE-NPO-17911-1-CU] c 32 N90-27016
Modified fast frequency acquisition via adaptive least squares algorithm
[NASA-CASE-NPO-17845-2-CU] c 61 N93-14882
Self-checking on-line testable static RAM
[NASA-CASE-NPO-17939-1-CU] c 60 N93-22032
- ERRORS**
Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163
Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1CU] c 74 N86-33138
Porous plug for reducing orifice induced pressure error in airfoils
[NASA-CASE-LAR-13569-1] c 35 N89-12841
Asymmetric soft-error resistant memory
[NASA-CASE-NPO-17394-1-CU] c 60 N91-31810
Feedback controlled optics with wavefront compensation
[NASA-CASE-NPO-18194-1-CU] c 74 N94-20305
- ESCAPE CAPSULES**
Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
- ESCAPE SYSTEMS**
Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992
Assured crew return vehicle
[NASA-CASE-MSC-21536-1] c 18 N92-21999
- ESCHERICHIA**
Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- ESTERS**
Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
Addition polyimides with enhanced processability
[NASA-CASE-LEW-15043-1] c 27 N91-32230
Vinyl capped addition polyimides
[NASA-CASE-LEW-15027-2] c 27 N92-24053
- ESTIMATING**
Digital phase-lock loop having an estimator and predictor of error
[NASA-CASE-NPO-17196-1-CU] c 32 N88-29076
Multistage estimation of received carrier signal parameters under very high dynamic conditions of the receiver
[NASA-CASE-NPO-17911-1-CU] c 32 N90-27016
Modified fast frequency acquisition via adaptive least squares algorithm
[NASA-CASE-NPO-17845-2-CU] c 61 N93-14882
- ETALONS**
Tunable CW diode-pumped Tm,Ho:YLiF4 laser operating at or near room temperature
[NASA-CASE-NPO-18611-1-CU] c 36 N93-30415
- ETCHANTS**
Selective formation of porous silicon
[NASA-CASE-NPO-18735-1-CU] c 27 N94-15960
- ETCHING**
Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033
Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574

- Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
Scanning nozzle plating system — for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MS-C-18107-1] c 27 N81-25209
Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N84-23095
Ion beam sputter etching
[NASA-CASE-LEW-13899-1] c 31 N87-21160
Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N90-25196
Method of fabricating germanium and gallium arsenide devices
[NASA-CASE-GSC-13265-1] c 76 N91-14066
Etching method for photoresists or polymers
[NASA-CASE-ARC-11873-2] c 25 N91-31258
Fabrication of nanometer single crystal metallic CoSi₂ structures on Si
[NASA-CASE-NPO-17736-2-CU] c 24 N92-18561
Metal etching composition
[NASA-CASE-MFS-29576-1] c 25 N92-25399
Selective formation of porous silicon
[NASA-CASE-NPO-18735-1-CU] c 27 N94-15960
Aberration correction of unstable resonators
[NASA-CASE-NPO-18791-1-CU] c 35 N94-15987
Process for the homoepitaxial growth of single-crystal silicon carbide films on silicon carbide wafers
[NASA-CASE-LEW-15223-1] c 76 N94-20381
Method for anisotropic etching in the manufacture of semiconductor devices
[NASA-CASE-MS-C-21631-1] c 75 N94-20491
- ETHANE**
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-2] c 25 N90-23497
Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-3] c 23 N91-17141
Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-4] c 23 N91-25185
Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-6] c 23 N92-17882
- ETHERS**
Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Perfluoro (Imidoylamidine) diamidines
[NASA-CASE-ARC-11402-3] c 23 N86-21582
Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526
Low dielectric fluorinated poly(phenylene ether ketone) film and coating
[NASA-CASE-LAR-13892-1-CU] c 23 N91-27220
Ethynyl terminated imidothioethers and resins therefrom
[NASA-CASE-LAR-13910-2-CU] c 27 N91-31307
Secondary Li battery incorporating 12-Crown-4 ether
[NASA-CASE-NPO-17922-1-CU] c 33 N92-28753
Imide/arylene ether copolymers
[NASA-CASE-LAR-14159-1-CU] c 27 N92-31792
Polyimides with carbonyl and ether connecting groups between the aromatic rings
[NASA-CASE-LAR-14001-1] c 27 N92-33008

- Methyl substituted polyimides containing carbonyl and ether connecting groups
[NASA-CASE-LAR-14351-1] c 27 N92-33015
Phenylethynyl-terminated poly(arylene ethers)
[NASA-CASE-LAR-14797-1] c 27 N94-23307
- ETHYL COMPOUNDS**
Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MS-C-18430-1] c 37 N82-24491
Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 27 N84-22747
The 5-(4-Ethynylphenoxy) isophthalic chloride
[NASA-CASE-LAR-13316-2] c 27 N87-14515
- ETHYLENE OXIDE**
Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
System for sterilizing objects — cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- EUTECTIC ALLOYS**
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
Method of growing composites of the type exhibiting the Soret effect — improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187
Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
- EVACUATING (VACUUM)**
Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
Evacuated, displacement compression mold — of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111
- EVAPORATION**
Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
Method of evaporation
[NASA-CASE-NPO-15609-2] c 25 N88-23846
Convergent strand array liquid pumping system
[NASA-CASE-NPO-17301-1-CU] c 31 N90-23587
Method for controlling protein crystallization
[NASA-CASE-MFS-28688-1] c 76 N94-20528
- EVAPORATIVE COOLING**
Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
Capillary heat transport and fluid management device
[NASA-CASE-MFS-28217-1] c 34 N89-14392
- EVAPORATORS**
Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395
Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
Thermal control system — removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461
Multi-leg heat pipe evaporator
[NASA-CASE-MS-C-20812-1] c 34 N86-27593
Pulse thermal energy transport/storage system
[NASA-CASE-LEW-15235-1] c 34 N92-29125
- EVENT HORIZON**
Synchronous parallel system for emulation and discrete event simulation
[NASA-CASE-NPO-18414-1-CU] c 62 N92-24045
- EXAMINATION**
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N87-14594
- EXCHANGING**
Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-29360
- EXCITATION**
Trochoidal analysis of scattered electrons in a merged electron-ion beam geometry
[NASA-CASE-NPO-16789-1-CU] c 72 N89-29169
Optical fiber sensor having an active core
[NASA-CASE-LAR-14607-1-SB] c 74 N94-20586

EXCLUSION

- Counter pumping debris excluder and separator — gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090

EXHAUST EMISSION

- Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555

EXHAUST GASES

- Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
Gas turbine exhaust nozzle — for noise reduction
[NASA-CASE-LEW-11569-1] c 07 N74-15453
Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218
Exhaust flow deflector — for ducted gas flow
[NASA-CASE-LAR-11570-1] c 34 N76-18364
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
Rocket engine nozzle attenuator
[NASA-CASE-MFS-28739-1] c 20 N93-28324

EXHAUST NOZZLES

- Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
Nozzle Patent
[NASA-CASE-XLA-00154] c 28 N70-33374
Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711
Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996
Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873

EXOTHERMIC REACTIONS

- Ambient cure polyimide foams — thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
Thermal control system — removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461
- EXPANDABLE STRUCTURES**
Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
Reflector space satellite Patent
[NASA-CASE-XLA-00138] c 31 N70-37981
Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
Collapsible high gain antenna
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- Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493
- FATIGUE TESTING MACHINES**
Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234
- Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136
- Fatigue testing a plurality of test specimens and method
[NASA-CASE-MFS-28118-1] c 39 N87-25601
- FATIGUE TESTS**
Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
- Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- Fatigue testing apparatus
[NASA-CASE-LEW-14124-1] c 35 N90-23712
- Furnace for tensile/fatigue testing
[NASA-CASE-LEW-14848-1] c 14 N91-27175
- FATS**
Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308
- FAULT DETECTION**
Hidden Markov models for fault detection in dynamic systems
[NASA-CASE-NPO-18982-1-CU] c 38 N93-30413
- FAULT TOLERANCE**
Toggle release
[NASA-CASE-MSC-21354-1] c 37 N88-24969
- Double swivel toggle release
[NASA-CASE-MSC-21436-1] c 37 N90-21390
- Fault tolerant hypercube computer system architecture
[NASA-CASE-NPO-16859-1-CU] c 60 N90-21527
- Two fault tolerant toggle-hook release
[NASA-CASE-MSC-21671-1] c 37 N91-32498
- Payload retention device
[NASA-CASE-MSC-21906-1] c 37 N92-28727
- Fault-tolerant fiber optic backplane
[NASA-CASE-LAR-14785-1] c 74 N93-19052
- Self-checking on-line testable static RAM
[NASA-CASE-NPO-17939-1-CU] c 60 N93-22032
- FECES**
Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
- Improved method and apparatus for waste collection and storage
[NASA-CASE-MSC-21025-1] c 31 N87-25495
- Valve for waste collection and storage
[NASA-CASE-MSC-21025-4] c 54 N91-14723
- Method for waste collection and storage
[NASA-CASE-MSC-21025-2] c 54 N91-14724
- FEED SYSTEMS**
Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694
- Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
- Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
- Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227
- Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
- Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
- Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Constant-output atomizer --- Inhalation therapy and aerosol research
[NASA-CASE-MFS-25631-1] c 34 N84-12406
- FEEDBACK**
Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
- Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167
- Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254
- FEEDBACK AMPLIFIERS**
Radiometric temperature reference Patent
[NASA-CASE-MSC-13276-1] c 14 N71-27058

- Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
- Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860
- FEEDBACK CIRCUITS**
Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
- Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
- Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
- Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669
- Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
- Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
- Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339
- Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N83-36356
- FEEDBACK CONTROL**
Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594
- Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
- BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
- A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
- Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033
- A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
- Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
- Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428
- The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
- System and method for tracking a signal source --- employing feedback control
[NASA-CASE-HQN-10880-1] c 17 N78-17140
- Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237
- Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340
- Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
- Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
- Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421
- Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N84-22885
- Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
- Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142
- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15698-1] c 33 N85-34333
- Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1-CU] c 74 N87-23259
- Balanced bridge feedback control system
[NASA-CASE-NPO-17430-1-CU] c 33 N90-21951
- Spiral vane bioreactor
[NASA-CASE-MSC-21361-1] c 51 N91-21701
- Permanent magnet flux-biased magnetic actuator with flux feedback
[NASA-CASE-LAR-13785-1] c 70 N91-21824
- Thermal power transfer system using applied potential difference to sustain operating pressure difference
[NASA-CASE-NPO-18034-1-CU] c 44 N92-16457
- Closed-loop motor control using high-speed fiber optics
[NASA-CASE-MSC-21806-1] c 74 N92-17863
- Closed-loop autonomous docking system
[NASA-CASE-MFS-28421-1] c 18 N92-28750
- Heat exchanger with oscillating flow
[NASA-CASE-LAR-14033-1] c 34 N92-28752

FERROMAGNETIC MATERIALS

- Superconducting bearings with levitation control configurations
[NASA-CASE-GSC-13346-1] c 37 N92-29099
- Ultra-high temperature stability Joule-Thomson cooler with capability to accommodate pressure variations
[NASA-CASE-NPO-18184-1-CU] c 35 N92-29156
- Sample positioning in microgravity
[NASA-CASE-NPO-18448-1-CU] c 29 N92-30083
- Phase-stepping fiber-optic projected fringe system for surface topography measurements
[NASA-CASE-LEW-14996-1] c 74 N93-11058
- Terminal slider control of nonlinear robotic systems
[NASA-CASE-NPO-18584-1-CU] c 37 N93-11177
- Doppler shift compensation system for laser transmitters and receivers
[NASA-CASE-GSC-13194-1] c 36 N93-18287
- Sample positioning in microgravity
[NASA-CASE-NPO-18448-1-CU] c 29 N93-24600
- Extended task space control for robotic manipulators
[NASA-CASE-NPO-18902-1-CU] c 37 N93-28129
- Three-parameter tunable Tilt-Integral-Derivative (TID) controller
[NASA-CASE-NPO-18492-1-CU] c 63 N93-29176
- Feedback controlled optics with wavefront compensation
[NASA-CASE-NPO-18194-1-CU] c 74 N94-20305
- FEEDBACK FREQUENCY MODULATION**
Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
- Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
- Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334
- FEEDERS**
Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- Static feed water electrolysis subsystem development
[NASA-CASE-MSC-21577-1-SB] c 25 N91-23271
- Plasma gun with coaxial powder feed and adjustable cathode
[NASA-CASE-LEW-14901-1] c 75 N91-25875
- Method and apparatus for waste collection and storage
[NASA-CASE-MSC-21025-3] c 54 N91-26747
- FEEDFORWARD CONTROL**
Analog hardware for learning neural networks
[NASA-CASE-NPO-17664-1-CU] c 62 N91-32852
- FEET (ANATOMY)**
Drop foot corrective device
[NASA-CASE-LAR-12259-2] c 54 N86-22112
- FELTS**
Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221
- FEMALES**
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- Urine collection apparatus --- feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740
- FERMENTATION**
Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- FERRITES**
Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
- Method for making conductors for ferrite memory arrays --- from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257
- FERROELECTRICITY**
Enhanced fatigue and retention in ferroelectric thin film memory capacitors by post-top electrode anneal treatment
[NASA-CASE-NPO-18551-1-CU] c 33 N93-17277
- FERROFLUIDS**
Linear motion valve
[NASA-CASE-MSC-20148-1] c 37 N85-29284
- FERROMAGNETIC FILMS**
High speed magneto-resistive random access memory
[NASA-CASE-NPO-17954-1-CU] c 60 N93-14704
- FERROMAGNETIC MATERIALS**
Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335
- Method of characterizing residual stress in ferromagnetic materials using a pulse histogram of acoustic emission signals
[NASA-CASE-LAR-14239-1] c 26 N93-14705

FERROMAGNETISM

High temperature ferromagnetic cobalt-base alloy
Patent
[NASA-CASE-XLE-03629] c 17 N71-23248

FERTILIZERS

Slow-release fertilizer
[NASA-CASE-MSC-21953-1-NP] c 37 N93-17271
Active synthetic soil
[NASA-CASE-MSC-21954-1-NP] c 51 N93-19054

FETUSES

Passive fetal monitoring sensor
[NASA-CASE-LAR-14088-1-CU] c 35 N92-33016

FIBER COMPOSITES

Fibrous refractory composite insulation — shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829
Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450
Arc spray fabrication of metal matrix composite monolayer
[NASA-CASE-LEW-13828-1] c 24 N85-30027
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451
Light weight fire resistant graphite composites
[US-PATENT-4,598,007] c 24 N86-28131
Method of preparing fiber reinforced ceramic material
[NASA-CASE-LEW-14392-1] c 27 N87-28656
Pultrusion die assembly
[NASA-CASE-LAR-13719-1] c 37 N89-12867
Light weight polymer matrix composite material
[NASA-CASE-LEW-14734-1] c 24 N89-23623
Fiber reinforced ceramic material
[NASA-CASE-LEW-14392-2] c 27 N89-29538
Method of controlling a resin curing process — for fiber reinforced composites
[NASA-CASE-MSC-21169-1] c 27 N89-29539
Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N90-25196
Process for the manufacture of seamless metal-clad fiber-reinforced organic matrix composite structures
[NASA-CASE-LAR-13562-2] c 24 N91-25199
Vinyl capped addition polyimides
[NASA-CASE-LEW-15027-2] c 27 N92-24053
Low pressure process for continuous fiber reinforced polyamic acid resin matrix composite laminates
[NASA-CASE-LAR-14954-1] c 24 N92-34214
Silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-1] c 24 N93-11543
Method and apparatus for three dimensional braiding
[NASA-CASE-LAR-14047-1] c 31 N93-19038
Fiber-reinforced monoclinic celsian matrix composite material
[NASA-CASE-LEW-15269-1] c 24 N93-20040
Method and apparatus for weaving a woven angle ply fabric
[NASA-CASE-LAR-14048-1] c 31 N93-29611
SiC fiber-reinforced Celsian glass-ceramic matrix composite
[NASA-CASE-LEW-15264-1] c 24 N93-31293
Method of producing a ceramic fiber-reinforced glass-ceramic matrix composite
[NASA-CASE-LEW-15264-2] c 24 N93-31299
Carbon-carbon grid for ion engines
[NASA-CASE-NPO-19174-1-CU] c 20 N94-15876
Method of producing a silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-2] c 24 N94-15929

FIBER OPTICS
Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616
Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
Low intensity X-ray and gamma-ray imaging device — fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857

Precise RF timing signal distribution to remote stations — fiber optics

[NASA-CASE-NPO-14749-1] c 32 N81-14186
Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032
Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749
Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1-CU] c 74 N87-23259
Low-loss, high-isolation, fiber-optic isolator
[NASA-CASE-NPO-17207-1-CU] c 74 N88-25304
Optical pressure sensing coupling apparatus
[NASA-CASE-MFS-29348-1] c 74 N89-25689
Optical shutter switching matrix
[NASA-CASE-KSC-11392-1] c 74 N90-22383
Method and apparatus for determining optical absorption and emission characteristics of a crystal or non-crystalline fiber
[NASA-CASE-LAR-13963-1] c 76 N90-24150
Laser velocimeter for near-surface measurements
[NASA-CASE-ARC-11917-1] c 35 N91-15520
Fiber optic sensing system
[NASA-CASE-LEW-14795-1] c 74 N91-21871
Fiber optic frequency transfer link
[NASA-CASE-NPO-17703-1-CU] c 74 N91-27957
Apparatus for precision focussing and positioning of a beam waist on a target
[NASA-CASE-ARC-11916-1-SB] c 74 N92-16811
Closed-loop motor control using high-speed fiber optics
[NASA-CASE-MSC-21806-1] c 74 N92-17863
High temperature fiber optic microphone having a pressure-sensing reflective membrane under tensile stress
[NASA-CASE-LAR-14402-1-CU] c 74 N92-33017
Phase-stepping fiber-optic projected fringe system for surface topography measurements
[NASA-CASE-LEW-14996-1] c 74 N93-11058
Fault-tolerant fiber optic backplane
[NASA-CASE-LAR-14785-1] c 74 N93-19052
Optical fiber strain sensor with improved linearity
[NASA-CASE-LAR-14857-1-SB] c 74 N93-19374
Fiber optic microphone having a pressure sensing reflective membrane and a voltage source for calibration purpose
[NASA-CASE-LAR-14402-2-CU] c 71 N93-24602
Wavelength-division multiplexed optical integrated circuit with vertical diffraction grating
[NASA-CASE-NPO-18357-1-CU] c 74 N93-29848
Wide-angle imaging system with fiberoptic components providing angle-dependent virtual material stops
[NASA-CASE-NPO-18146-1-CU] c 74 N94-20345

FIBER ORIENTATION

Methods of determining loads and fiber orientations in anisotropic non-crystalline materials using energy flux deviation
[NASA-CASE-LAR-14399-1] c 39 N93-26102

FIBER RELEASE

Curing agent for polyepoxides and epoxy resins and composites cured therewith — preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
Method and device for detection of a substance — determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31954

FIBER STRENGTH

High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436

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Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
Graphite fluoride fiber polymer composite material
[NASA-CASE-LEW-14472-1] c 24 N91-15320
Method of intercalating large quantities of fibrous structures
[NASA-CASE-LEW-15077-1] c 24 N92-16025
High temperature, flexible pressure-actuated, brush seal
[NASA-CASE-LEW-15086-1] c 37 N92-16318
Production of mulitite fibers
[NASA-CASE-MFS-28431-1] c 24 N92-17870
High temperature, flexible, fiber-preform seal
[NASA-CASE-LEW-15085-1] c 37 N92-22043
Hollow fiber clinostat for simulating microgravity in cell culture
[NASA-CASE-MFS-28370-1] c 35 N92-31790

FIELD COILS

Electromagnetic Meissner effect launcher
[NASA-CASE-MFS-28323-1] c 14 N92-15081

FIELD EFFECT TRANSISTORS

Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500
Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162
Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205
Radiation hardening of MOS devices by boron — for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329
Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
Electronic system for high power load control — solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126
JFET reflection oscillator
[NASA-CASE-GSC-12555-1] c 33 N86-19515
Hybrid power semiconductor
[NASA-CASE-LEW-13922-1] c 33 N86-20672
FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N87-13313
Microwave field effect transistor
[NASA-CASE-GSC-12442-2] c 33 N90-20282
GaAs-based optoelectronic neurons
[NASA-CASE-NPO-18497-1-CU] c 63 N93-24599

FIELD EMISSION

Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
Apparatus for mounting a field emission cathode
[NASA-CASE-LEW-14108-1] c 33 N87-28832

FIELD OF VIEW

Scanner — photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465
Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
EMU helmet mounted display
[NASA-CASE-MSC-21460-1] c 54 N91-13879
Variable magnification glancing incidence x ray telescope
[NASA-CASE-MFS-28013-2] c 89 N91-14096

FILAMENT WINDING

Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651
Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171

FILAMENTS

Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812

Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752
Process for application of powder particles to filamentary materials
[NASA-CASE-LAR-14231-1] c 24 N92-10070

FILLERS
Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258
Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
Multi-element spherical shell generation
[NASA-CASE-NPO-17203-1-CU] c 34 N90-23700
Welding wire pressure sensor assembly
[NASA-CASE-MFS-26216-1] c 37 N93-28951
Thermally activated retainer means utilizing shape memory alloy
[NASA-CASE-MS-C-21793-1] c 16 N94-20304
Mold bolt and means for achieving close tolerances between bolts and bolt holes
[NASA-CASE-MFS-28720-1] c 37 N94-20379

FILLING
Rapidly quantifying the relative distention of a human bladder
[NASA-CASE-LAR-13901-1-NP] c 52 N90-21519

FILM COOLING
Multilayer film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433

FILM THICKNESS
Chemical vapor deposition reactor --- providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
Degassing and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MS-C-18936-1] c 35 N83-29652
Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112

FILMS
Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595
Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994
X ray sensitive area detection device
[NASA-CASE-MFS-28232-1] c 74 N91-14835

FILTERS
Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185
Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
Sample holder support for microscopes
[NASA-CASE-MFS-28420-1] c 37 N91-21545

FILTRATION
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
Infusion extractor
[NASA-CASE-MS-C-20761-1] c 37 N87-15465
Sample holder support for microscopes
[NASA-CASE-MFS-28420-1] c 37 N91-21545

FINGERS
Rotationally actuated prosthetic helping hand
[NASA-CASE-MFS-28426-1] c 54 N91-32795
Fingered bola body, bola with same, and methods of use
[NASA-CASE-MS-C-21967-1] c 37 N92-30026

Fingered bola body, bola with same, and methods of use
[NASA-CASE-MS-C-21967-1] c 37 N94-23822

FINS
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421

FIRE EXTINGUISHERS
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137
Synthesis of dawsonites --- for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N83-36118

FIRE PREVENTION
Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
Fire resistant polyamide based on 1-(diorganooxyphosphonyl)methyl-2,4- and -2,6-diamino benzene
[NASA-CASE-ARC-11512-2] c 27 N86-32568

FIREPROOFING
Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562
Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
Flexible fire retardant polyisocyanate modified neoprene foam --- for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MS-C-14331-1] c 27 N76-24405
Flame retardant spandex type polyurethanes
[NASA-CASE-MS-C-14331-2] c 27 N78-17213
Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100

FIRES
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173

FIRING (IGNITING)
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

FITTING
Cantilever clamp fitting
[NASA-CASE-MFS-28328-1] c 37 N91-13731
Quick-connect fasteners for assembling devices in space
[NASA-CASE-MS-C-21648-1] c 37 N92-24051

FITTINGS
Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789
Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389
Apparatus for adapting an end effector device remotely controlled manipulator arm
[NASA-CASE-MFS-25949-1] c 37 N86-19603
Self indexing latch system
[NASA-CASE-MFS-25956-1] c 37 N87-21333
Expandable pallet for space station interface attachments
[NASA-CASE-MS-C-21117-1] c 18 N88-28958
Dual diaphragm tank with telltale drain
[NASA-CASE-MS-C-21703-1] c 31 N91-25305

FIXED WINGS
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243

FIXTURES
Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
Work attachment mechanism/work attachment fixture
[NASA-CASE-GSC-13430-1] c 37 N93-14712
Blind fastening apparatus
[NASA-CASE-LAR-14542-1] c 37 N93-22384

FLAME PROBES

Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

FLAME RETARDANTS

Flame retardant spandex type polyurethanes
[NASA-CASE-MS-C-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MS-C-14331-3] c 27 N78-32262
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MS-C-14903-3] c 27 N80-24438
Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MS-C-18382-1] c 27 N82-16238
Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MS-C-18382-2] c 27 N84-14324
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-3] c 27 N84-22745
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N84-33394
Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11349-1] c 37 N86-20797
Polymer of phosphonylmethyl-2,4- and -2,6-diamino benzene and polyfunctional monomer
[NASA-CASE-ARC-11506-2] c 23 N86-32525
Fire and heat resistant laminating resins based on maleimide and citraconimide substituted 1-(diorganooxyphosphonyl) methyl -2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11533-3] c 27 N87-24564
The 1-(diorganooxy phosphonyl) methyl-2,4- and -2,6-diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-2] c 23 N87-28605
Fire and heat resistant laminating resin based on maleimide and citraconimide substituted 1-(diorganooxyphosphonyl-methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11533-2] c 27 N89-16042

FLAME SPRAYING
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233

FLAME TEMPERATURE
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357

FLAMES
Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403

FLAMMABILITY
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MS-C-14903-2] c 27 N80-10358
Vitro-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MS-C-16074-1] c 27 N80-26446
Light weight fire resistant graphite composites
[US-PATENT-4,598,007] c 24 N86-28131
Fire and heat resistant laminating resins based on maleimide substituted aromatic cyclotriphosphazene polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909
Ignitability test method and apparatus
[NASA-CASE-LAR-13996-1-SB] c 25 N90-15161

FLANGES

- Cassegrainian antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
- Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
- Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562
- Robot serviced space facility
[NASA-CASE-GSC-13408-1] c 18 N92-24244
- Saddle clamp assembly
[NASA-CASE-MFS-28701-1] c 37 N93-17057

FLAPS (CONTROL SURFACES)

- Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
- Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
- Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
- Reversed cowl flap inlet thrust augmentor — with adjustable airfoil
[NASA-CASE-ARC-10754-1] c 07 N75-24736

FLARED BODIES

- Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389

FLASH LAMPS

- Active lamp pulse driver circuit — optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189

FLAT CONDUCTORS

- Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
- Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
- Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
- Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
- Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
- Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227

FLAT PLATES

- Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
- Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
- Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
- Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640
- Two-dimensional scanner apparatus — flaw detector in small flat plates
[NASA-CASE-MFS-25687-1] c 35 N84-22928

FLEXIBILITY

- Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
- Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
- Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246
- Safety flywheel — using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527
- Sun shield
[NASA-CASE-MSC-20162-1] c 37 N87-17036
- Method of making a flexible diaphragm
[NASA-CASE-MSC-20797-1] c 37 N87-23981
- Space module assembly apparatus with docking alignment flexibility and restraint
[NASA-CASE-MSC-21211-1] c 18 N89-28553
- Copolyimide with a combination of flexibilizing groups
[NASA-CASE-LAR-13821-1] c 27 N90-16950
- High temperature flexible seal
[NASA-CASE-LEW-14695-1] c 37 N90-23751
- Flexible diaphragm-extreme temperature usage
[NASA-CASE-MSC-20797-2] c 35 N91-21494
- Compounds containing meta-biphenylenedioxy moieties and polymers therefrom
[NASA-CASE-LAR-14517-1] c 27 N94-15879

FLEXIBLE BODIES

- Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
- Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
- Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210

- Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680
- Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
- Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
- Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
- Internally supported flexible duct joint — device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
- Strong thin membrane structure — solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163
- Suspension mechanism and method
[NASA-CASE-LAR-14142-1] c 37 N90-27116
- Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] c 18 N91-27199
- High-temperature, flexible, thermal barrier seal
[NASA-CASE-LEW-14672-1] c 37 N91-27560
- Quick-connect fasteners for assembling devices in space
[NASA-CASE-MSC-21648-1] c 37 N92-24051
- Flexible heating head for induction heating apparatus and method
[NASA-CASE-LAR-14679-2] c 32 N92-31150
- Flexible robotic arm
[NASA-CASE-GSC-13161-1] c 37 N92-33634
- Improved composite flexible blanket insulation
[NASA-CASE-ARC-11955-1-CU] c 24 N94-15926
- Flexible heating head for induction heating
[NASA-CASE-LAR-14418-15-B] c 32 N94-20368

FLEXIBLE WINGS

- Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
- Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
- Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038

FLEXING

- Two degree inverted flexure
[NASA-CASE-ARC-10345-1] c 15 N73-12488
- Pressure suit joint analyzer
[NASA-CASE-LAR-11314-1] c 54 N82-26987
- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N84-12492

FLIGHT

- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692

FLIGHT ALTITUDE

- Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211
- Terminal guidance system — for guiding aircraft into preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420
- Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
- System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
- System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N84-34443

FLIGHT CLOTHING

- Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 54 N84-11758

FLIGHT CONTROL

- Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
- Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
- Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
- Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942
- Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- Deploy/release system — model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014

- Apparatus for damping operator induced oscillations of a controlled system — flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882
- Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N87-22678
- Miniaturization of flight deflection measurement system
[NASA-CASE-LAR-13628-1] c 35 N90-23707
- Airplane takeoff and landing performance monitoring system
[NASA-CASE-LAR-13854-1-CU] c 04 N91-31120
- Rotatable non-circular forebody flow controller
[NASA-CASE-LAR-14212-1-CU] c 05 N91-31140
- Virtual reality flight control display with six-degree-of-freedom controller and spherical orientation overlay
[NASA-CASE-NPO-18733-1-CU] c 06 N93-30416

FLIGHT CREWS

- Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285

FLIGHT INSTRUMENTS

- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733
- Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N87-22678

FLIGHT PATHS

- Improving the geometric fidelity of imaging systems employing sensor arrays
[NASA-CASE-NPO-17970-1-CU] c 43 N90-26384

FLIGHT RECORDERS

- Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006

FLIGHT SAFETY

- Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
- Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641

FLIGHT SIMULATION

- Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
- Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
- Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663
- Real-time simulation clock
[NASA-CASE-LAR-14056-1] c 35 N90-23713
- Virtual reality flight control display with six-degree-of-freedom controller and spherical orientation overlay
[NASA-CASE-NPO-18733-1-CU] c 06 N93-30416

FLIGHT SIMULATORS

- Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
- Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183
- Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
- Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
- Vehicle simulator binocular multiplanar visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280
- Full color hybrid display for aircraft simulators — landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228
- Chromatically corrected virtual image visual display — reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
- Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
- Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
- Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N85-19990
- Simulator scene display evaluation device
[NASA-CASE-ARC-11504-1] c 09 N86-32447

FLIGHT TESTS

Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386

FLIGHT TRAINING

Intflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N85-19990

FLIGHT VEHICLES

Leading edge curvature based on convective heating Patent

[NASA-CASE-XLA-01486] c 01 N71-23497

Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326

FLIP-FLOPS

AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910

Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772

Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547

FLOAT ZONES

Floating emitter solar cell
[NASA-CASE-NPO-16467-1-CU] c 33 N87-23879

Liquid encapsulated float zone process and apparatus
[NASA-CASE-MFS-28144-1] c 76 N88-24545

Device for mechanically stabilizing web ribbon buttons during growth initiation
[NASA-CASE-NPO-17074-2-CU] c 76 N92-21499

FLOATING

Floating baffle to improve efficiency of liquid transfer from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472

Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845

Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653

FLOATS

Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820

FLOORS

Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N87-16918

FLOTATION

Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748

FLOW CHAMBERS

Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337

Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182

Moving wall, continuous flow electrophoresis apparatus
[NASA-CASE-MFS-28142-1] c 25 N88-23845

FLOW CHARACTERISTICS

Polyimide processing additives
[NASA-CASE-LAR-13669-1] c 27 N92-29157

Vaporizing particle velocimeter
[NASA-CASE-LAR-14685-1] c 02 N92-34172

Polyimide processing additives
[NASA-CASE-LAR-13669-2] c 27 N94-23079

FLOW DIRECTION INDICATORS

Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271

Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864

Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295

FLOW DISTORTION

Moving wall, continuous flow electrophoresis apparatus
[NASA-CASE-MFS-28142-1] c 25 N88-23845

FLOW DISTRIBUTION

Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867

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- Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
- Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
- Carbide-fluoride-silver self-lubricating composite
[NASA-CASE-LEW-14196-2] c 37 N87-25585
- Graphite fluoride fiber polymer composite material
[NASA-CASE-LEW-14472-1] c 24 N91-15320
- Tm,Ho:YLF laser end-pumped by a semiconductor diode laser array
[NASA-CASE-NPO-17282-1-CU] c 36 N91-15528
- Graphite fluoride from iodine intercalated graphitized carbon
[NASA-CASE-LEW-15360-1] c 25 N92-34206
- Polyimides prepared from 3,5-diamino benzo trifluoride
[NASA-CASE-LAR-14206-1] c 27 N93-29083
- FLUORINATION**
Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151
- Fluorinated esters of polycarboxylic acids
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- FLUORINE**
Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
- Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- FLUORINE COMPOUNDS**
Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
- Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-4] c 23 N91-25185
- FLUORINE ORGANIC COMPOUNDS**
Low dielectric fluorinated poly(phenylene ether ketone) film and coating
[NASA-CASE-LAR-13992-1-CU] c 23 N91-27220
- Process to prepare 1,3-diamino-5-pentafluorosulfanylbenzene
[NASA-CASE-LAR-14773-2-CU] c 25 N93-29506
- FLUORO COMPOUNDS**
New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
- Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
- Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
- Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
- Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228
- The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-2] c 25 N90-23497
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-6] c 23 N92-17882
- FLUOROCARBONS**
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[NASA-CASE-XLE-06774-2] c 06 N72-25150
- Substituted 1,1,1-Triaryl-2,2,2-Trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-1] c 23 N88-26404
- Wide angle, single screen, gridded square-loop frequency selective surface for diplexing two closely separated frequency bands
[NASA-CASE-NPO-18664-1-CU] c 89 N94-17438
- FLUOROHYDROCARBONS**
New Condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures
[NASA-CASE-LEW-14346-1] c 23 N90-19300
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-3] c 23 N91-17141
- FLUOROPOLYMERS**
Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
- Texturing polymer surfaces by transfer casting — cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- Cellular thermosetting fluoropolymers and process for making them
[NASA-CASE-GSC-13008-1] c 27 N88-23894
- Substituted 1,1,1-Triaryl-2,2,2-Trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-1] c 23 N88-26404
- Cellular thermosetting fluorodiepoxide polymers
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- New Condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures
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- FLUTTER**
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[NASA-CASE-XNP-01152] c 15 N70-41811
- Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
- Decoupler pylon: wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
- Remote pivot decoupler pylon: Wing/store flutter suppressor
[NASA-CASE-LAR-13173-1] c 05 N87-14314
- Airfoil flutter model suspension system
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- FLUTTER ANALYSIS**
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- FLUX (RATE)**
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- FLUX DENSITY**
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[NASA-CASE-XLE-00243] c 14 N70-38602
- Apparatus for measuring charged particle beam
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- Copper chloride cathode for a secondary battery
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- Gas arc constriction for plasma arc welding
[NASA-CASE-MFS-28844-1] c 37 N93-31292
- FLUXES**
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[NASA-CASE-XNP-03459-2] c 18 N71-15688
- Soldering with solder flux which leaves corrosion resistant coating Patent
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- FLYING PLATFORMS**
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- Rotatable mass for a flywheel
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- Safety flywheel — using flexible materials energy storage
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- Method of manufacture of bonded fiber flywheel — fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163
- Bidirectional control system for energy flow in solar powered flywheel
[NASA-CASE-MFS-25978-1] c 44 N87-21410
- Three axis attitude control system
[NASA-CASE-GSC-12970-1] c 08 N88-23808
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[NASA-CASE-XLA-00838] c 03 N70-36778
- Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
- Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
- Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
- Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- Method of making a solid propellant rocket motor Patent
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- Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
- Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Intumescent composition, foamed product prepared therewith and process for making same
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- Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles*
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- Ambient cure polyimide foams — thermal resistant foams*
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides — flame retardant foams*
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Impacting device for testing insulation*
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- Insulation bonding test system*
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- Cryogenic insulation strength and bond tester*
[NASA-CASE-MFS-25910-1] c 39 N86-20841
- Cellular thermosetting fluoropolymers and process for making them*
[NASA-CASE-GSC-13008-1] c 27 N88-23894
- Cellular thermosetting fluorodiepoxide polymers*
[NASA-CASE-GSC-13008-2] c 27 N90-16949
- Protective helmet assembly*
[NASA-CASE-MSC-21842-1] c 54 N93-17088
- FOCAL PLANE DEVICES**
- Antenna array at focal plane of reflector with coupling network for beam switching* Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- High speed multi focal plane optical system*
[NASA-CASE-GSC-12683-1] c 74 N83-36898
- Focal plane array optical proximity sensor*
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- Projection lens scanning laser velocimeter system*
[NASA-CASE-ARC-11547-1] c 36 N87-17026
- Laterally stacked Schottky diodes for infrared sensor applications*
[NASA-CASE-NPO-17426-1-CU] c 33 N91-21434
- Programmable hyperspectral image mapper with on-array processing*
[NASA-CASE-NPO-17794-1-CU] c 74 N92-30104
- INAS hole-immobilized doping superlattice long-wave-infrared detector*
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- FOCI**
- High speed multi focal plane optical system*
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- FOCUSING**
- X-ray reflection collimator adapted to focus X-radiation directly on a detector* Patent
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- Focussing system for an ion source having apertured electrodes* Patent
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- Petzval type objective including field shaping lens* Patent
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- Absolute focus lock for microscopes*
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- Electron beam controller — using magnetic field to refocus spent electron beam in microwave oscillator tube*
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- Automatic focus control for facsimile cameras*
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- Multiplate focusing collimator — for scanning small near radiation sources*
[NASA-CASE-MFS-20932-1] c 35 N75-19616
- RF beam center location method and apparatus for power transmission system*
[NASA-CASE-NPO-13821-1] c 44 N78-28594
- Scanning afocal laser velocimeter projection lens system*
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- Gyrotron transmitting tube*
[NASA-CASE-LEW-13429-1] c 33 N83-31952
- Dual mode laser velocimeter*
[NASA-CASE-ARC-11634-1] c 36 N88-14350
- Apparatus for precision focussing and positioning of a beam waist on a target*
[NASA-CASE-ARC-11916-1-SB] c 74 N92-16811
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- Anti-fog composition — for prevention of fogging on surfaces such as space helmet visors and windshields*
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- Environmental fog/rain visual display system for aircraft simulators*
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- Warm fog dissipation using large volume water sprays*
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[NASA-CASE-LEW-11484-1] c 24 N75-33181
- Partial interlaminar separation system for composites*
[NASA-CASE-LAR-12065-1] c 24 N81-14000
- Method of making a partial interlaminar separation composite system*
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- Oxygen diffusion barrier coating*
[NASA-CASE-LAR-13474-1-SB] c 26 N87-25455
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- Folding apparatus* Patent
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- Collapsible loop antenna for space vehicle* Patent
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[NASA-CASE-XGS-00938] c 32 N70-41367
- Foldable conduit* Patent
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- Foldable solar concentrator* Patent
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- Wing deployment method and apparatus* Patent
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- Variable sweep aircraft* Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
- Radiator deployment actuator* Patent
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- Foldable construction block*
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- Folding structure fabricated of rigid panels*
[NASA-CASE-XHQ-02146] c 18 N75-27040
- Collapsible corrugated horn antenna*
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- Foldable beam*
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- Telescoping columns — parabolic antenna support*
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- Sequentially deployable maneuverable tetrahedral beam*
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- Self-locking telescoping manipulator arm*
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- Shuttle-launch triangular space station*
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- Synchronously deployable truss structure*
[NASA-CASE-LAR-13117-1] c 37 N86-25789
- Protective telescoping shield for solar concentrator*
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- Shuttle orbiter with telescoping main propulsion unit and payload*
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- Bacteria detection instrument and method*
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- FORCE DISTRIBUTION**
- Device for handling heavy loads*
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- Two force component measuring device* Patent
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- Tensile strength testing device* Patent
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- Impact monitoring apparatus*
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- Variable direction force coupler*
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- Subminiature insertable force transducer — including a strain gage to measure forces in muscles*
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- Device for quick changeover between wind tunnel force and pressure testing*
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- Linear force device*
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- Fluorine containing polyurethane*
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- Method of forming shapes from planar sheets of thermosetting materials*
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- Method of heat treating a formed powder product material*
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- Molding apparatus — for thermosetting plastic compositions*
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- Process for making sheets with parallel pores of uniform size*
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- Drilled ball bearing with a one piece anti-tipping cage assembly*
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- Method of producing complex aluminum alloy parts of high temper, and products thereof*
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- Solar cell with improved N-region contact and method of forming the same*
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- Method and apparatus for producing concentric hollow spheres — inertial confinement fusion targets*
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[NASA-CASE-XGS-05441] c 10 N71-22962
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[NASA-CASE-XNP-09771] c 09 N71-24841
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[NASA-CASE-XMF-00663] c 08 N71-18752
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[NASA-CASE-XLA-00414] c 07 N70-38200
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Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
Method and apparatus for frequency spectrum analysis
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[NASA-CASE-NPO-11569] c 10 N73-26229
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[NASA-CASE-GSC-10118-1] c 07 N71-24621
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[NASA-CASE-MFS-20658-1] c 14 N73-30386

Frequency measurement by coincidence detection with standard frequency

[NASA-CASE-MS-14649-1] c 33 N76-16331
Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
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[NASA-CASE-MS-20865-1] c 32 N87-18692
Frequency domain laser velocimeter signal processor
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[NASA-CASE-XLA-00492] c 14 N70-34799
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[NASA-CASE-XNP-10830] c 07 N71-11281
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[NASA-CASE-XMF-01160] c 07 N71-11298
Optical tracker having overlapping reticles on parallel axes Patent
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[NASA-CASE-HQN-10654-1] c 16 N73-13489
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[NASA-CASE-NPO-17703-1-CU] c 74 N91-27957

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[NASA-CASE-XMF-04958-1] c 10 N71-26414
Open loop digital frequency multiplier
[NASA-CASE-MS-12709-1] c 33 N77-24375
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[NASA-CASE-NPO-17258-1-CU] c 33 N91-14551
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[NASA-CASE-NPO-18428-1-CU] c 33 N92-23464
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[NASA-CASE-XGS-01983] c 10 N70-41964
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
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[NASA-CASE-NPO-14525-1] c 32 N79-19195
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[NASA-CASE-GSC-12147-1] c 32 N81-27341

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[NASA-CASE-XNP-01306] c 07 N71-20814
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Laser Doppler velocity simulator — to induce frequency shift
[NASA-CASE-LAR-12176-1] c 36 N80-16321
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Frequency shift keyed demodulator Patent
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[NASA-CASE-XNP-03623] c 09 N73-28084
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[NASA-CASE-XNP-08680] c 14 N71-22995
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[NASA-CASE-GSC-11893-1] c 35 N76-31489
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[NASA-CASE-LAR-14520-1-SB] c 02 N93-18275

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[NASA-CASE-XGS-00373] c 23 N71-15978
Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383
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[NASA-CASE-MFS-14685] c 31 N71-15689
Method and apparatus of simulating zero gravity conditions Patent
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[NASA-CASE-XMF-00341] c 15 N70-33323
Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 35 N84-28018

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Low temperature storage container for transporting perishables to space station
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Acoustic suspension system
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Reactant pressure differential control for fuel cell gases
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Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044
Reconstituted asbestos matrix — for use in fuel or electrolysis cells
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Dual membrane hollow fiber fuel cell and method of operating same
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Method for providing real-time control of a gaseous propellant rocket propulsion system
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Buoyant anti-slosh system Patent
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Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
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[NASA-CASE-NPO-10808] c 15 N71-27432
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Rocket engine injector Patent
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Reduced gravity liquid configuration simulator
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Flexible ring slosh damping baffle Patent
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Buoyant anti-slosh system Patent
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Instrument for measuring the dynamic behavior of liquids Patent
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Black-body furnace Patent
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[NASA-CASE-LAR-13181-1] c 31 N85-29083

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[NASA-CASE-XGS-04531] c 03 N69-24267

Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393

Butt welder for fine gauge tungsten/rhenium thermocouple wire
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Diffusion welding in air --- solid state welding of butt joint by fusion welding, surface cleaning, and heating
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[NASA-CASE-XNP-01328] c 26 N71-18064

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[NASA-CASE-XNP-01961] c 26 N71-29156

Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043

Vapor deposition apparatus --- semiconductors and gallium arsenides
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GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N86-20150

Liquid encapsulated crystal growth
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MBE growth technology for high quality strained III-V layers
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Motion detection, novelty filtering, and target tracking using an interferometric technique with a GaAs phase conjugate mirror
[NASA-CASE-NPO-17784-1-CU] c 74 N91-13998

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Millimeter-wave monolithic diode-grid frequency multiplier
[NASA-CASE-NPO-17258-1-CU] c 33 N91-14551

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[NASA-CASE-NPO-18379-1-CU] c 74 N92-33022

GaAs-based optoelectronic neurons
[NASA-CASE-NPO-18497-1-CU] c 63 N93-24599

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[NASA-CASE-NPO-18062-1-CU] c 33 N94-10656

GALLIUM PHOSPHIDES
Liquid encapsulated crystal growth
[NASA-CASE-NPO-16808-1-CU] c 76 N87-25868

Annealing group III-V compound doped silicon-germanium alloy for improved thermo-electric conversion efficiency
[NASA-CASE-NPO-17259-1-CU] c 76 N90-19884

GALVANIC SKIN RESPONSE
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293

GAMMA RAY SPECTROMETERS
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659

Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279

GAMMA RAYS
Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392

Low intensity X-ray and gamma-ray imaging device --- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857

Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920

Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N85-30281

Gamma ray collimator
[NASA-CASE-SSC-00013-1] c 38 N91-32515

GANTRY CRANES
Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021

GAPS
Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392

Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709

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[NASA-CASE-MS-21793-1] c 16 N94-20304

GARMENTS
Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189

Flexible joint for pressurizable garment
[NASA-CASE-MS-11072] c 54 N74-32546

Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736

Urine collection apparatus --- feminine hygiene
[NASA-CASE-MS-18381-1] c 52 N81-28740

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GAS ANALYSIS
Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774

Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701

Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041

Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137

Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863

Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141

- Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
- Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
- Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
- NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
- Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
- Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10780-1] c 25 N76-22323
- Analysis of volatile organic compounds — trace amounts of organic volatiles in gas samples
[NASA-CASE-MS-C-14428-1] c 23 N77-17161
- Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- Stark effect spectrophone for continuous absorption spectra monitoring — a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159
- Method and device for determining heats of combustion of gaseous hydrocarbons
[NASA-CASE-LAR-13528-1] c 25 N88-29002
- Device for quickly sensing the amount of O₂ in a combustion product gas
[NASA-CASE-LAR-13816-1] c 35 N90-22025
- Apparatus and method for characterizing the transmission efficiency of a mass spectrometer
[NASA-CASE-NPO-16989-1-CU] c 35 N91-14587
- Two-stage gas measurement system
[NASA-CASE-LAR-14791-1] c 35 N93-31297
- Electron reversal ionizer for detection of trace species using a spherical cathode
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- GAS BAGS**
Omnidirectional multiple impact landing system Patent
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- GAS BEARINGS**
Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] c 15 N70-34664
- Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
- Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896
- Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
- Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031
- Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
- Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
- Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740
- Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N72-11388
- Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451
- Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
- Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588
- Cantilever mounted resilient pad gas bearing
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- Compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N86-19606
- GAS CHROMATOGRAPHY**
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[NASA-CASE-XNP-04816] c 06 N69-39936
- Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991
- Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
- Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
- Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
- Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
- Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334

- Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383
- GAS COMPOSITION**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- Microwave limb sounder — measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
- Moisture content and gas sampling device
[NASA-CASE-MS-C-18866-1] c 35 N85-29213
- Two-stage gas measurement system
[NASA-CASE-LAR-14791-1] c 35 N93-31297
- GAS COOLED REACTORS**
Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- GAS COOLING**
Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
- Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
- Apparatus and method for heating a material in a transparent ampoule — crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- Ultra-high temperature stability Joule-Thomson cooler with capability to accommodate pressure variations
[NASA-CASE-NPO-18184-1-CU] c 35 N92-29156
- GAS DENSITY**
Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
- Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
- Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
- Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
- Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
- Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
- Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
- Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector — for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958
- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- Acoustic device and method for measuring gas densities
[NASA-CASE-NPO-18155-1-CU] c 71 N93-13421
- GAS DETECTORS**
Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
- Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
- Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
- Miniature carbon dioxide sensor and methods
[NASA-CASE-MS-C-13332-1] c 14 N72-21408
- Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
- Carbon monoxide monitor — using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380
- Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector — for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958
- Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
- Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393
- Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- Stark effect spectrophone for continuous absorption spectra monitoring — a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

- Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- Predictive sensor method and apparatus
[NASA-CASE-SSC-00006-1] c 35 N91-13691
- GAS DISCHARGE TUBES**
Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693
- GAS DISCHARGES**
Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
- Multiplex electric discharge gas laser system
[NASA-CASE-NPO-16433-1] c 36 N87-23961
- Etching method for photoresists or polymers
[NASA-CASE-ARC-11873-2] c 25 N91-31258
- GAS EVOLUTION**
Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185
- GAS EXPANSION**
Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
- Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
- Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477
- Multicomponent gas sorption Joule-Thomson refrigeration
[NASA-CASE-NPO-17569-1-CU] c 31 N92-15203
- Rocket engine nozzle attenuator
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- GAS FLOW**
Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
- High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
- Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
- Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
- Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
- Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
- Fluidic proportional thruster system
[NASA-CASE-ARC-10106-1] c 28 N72-22769
- Gas filter mounting structure
[NASA-CASE-MS-C-12297] c 14 N72-23457
- Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227
- Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
- Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
- Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- Condensate removal device for heat exchanger
[NASA-CASE-MS-C-14143-1] c 77 N75-20139
- Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
- Gas compression apparatus
[NASA-CASE-MS-C-14757-1] c 35 N78-10428
- Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
- Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 31 N83-35177
- Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
- Vortex generating flow passage design for increased film cooling effectiveness
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- Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 34 N86-12547
- Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N87-21304
- Tank gauging apparatus and method
[NASA-CASE-MS-C-21059-3] c 35 N91-21495
- High velocity gas particulate sampling system
[NASA-CASE-MS-C-21729-1] c 34 N92-16241
- Arc/gas electrode
[NASA-CASE-MFS-29766-1] c 33 N92-33030
- Atmospheric pressure flow reactor: Gas phase chemical kinetics under tropospheric conditions without wall effects
[NASA-CASE-MS-C-21384-2] c 35 N93-17626
- GAS GENERATORS**
Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933

Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450

Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467

Vortex breech high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898

Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446

Hydrogen-rich gas generator
[NASA-CASE-NPO-13464-1] c 44 N76-18642

Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700

Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704

Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636

GAS GUNS
Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628

GAS HEATING
Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126

GAS INJECTION
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819

Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127

Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334

In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452

Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089

Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579

Solid sorbent air sampler
[NASA-CASE-MSC-20653-1] c 35 N86-26595

GAS IONIZATION
Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331

A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090

Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403

Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366

Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402

Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186

Reversal electron attachment ionizer for detection of trace species
[NASA-CASE-NPO-17596-1-CU] c 35 N89-28795

GAS JETS
Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652

GAS LASERS
Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614

Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441

Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428

Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366

Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402

Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542

Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943

Long gain length solar pumped box laser
[NASA-CASE-LAR-13256-1] c 36 N86-29204

GAS LUBRICANTS
Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897

Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588

Can'tilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418

Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490

GAS MASERS
Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578

Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HON-10654-1] c 16 N73-13489

Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029

Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436

GAS MIXTURES
Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774

Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741

Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742

Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146

Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700

Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636

Chemical vapor deposition reactor --- providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253

Multicomponent gas sorption Joule-Thomson refrigeration
[NASA-CASE-NPO-17569-1-CU] c 31 N92-15203

GAS PIPES
Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608

Trailer shield assembly for a welding torch
[NASA-CASE-MFS-29260-1] c 37 N90-19602

GAS PRESSURE
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233

Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681

Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438

Measurement of gas production of microorganisms --- using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368

Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316

Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097

Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896

Pressure vessel flex joint
[NASA-CASE-MSC-21748-1] c 37 N92-21727

Converting a CO₂ atmosphere to a high-purity O₂ supply
[NASA-CASE-LAR-14398-1] c 25 N92-30098

Arc/gas electrode
[NASA-CASE-MFS-29766-1] c 33 N92-33030

Remote tire pressure sensing technique
[NASA-CASE-LAR-14160-1] c 35 N94-15884

GAS RECOVERY
Gas storage and recovery system
[NASA-CASE-MSC-22091-1] c 31 N93-28136

GAS STREAMS
Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074

Stagnation pressure probe --- for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878

Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067

Simultaneous treatment of SO₂ containing stack gases and waste water
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[NASA-CASE-XGS-00963] c 15 N69-39735
- Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
- Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
[NASA-CASE-NPO-14987-1] c 24 N83-33950
- Multistage spent particle collector and a method for making same
[NASA-CASE-LEW-13914-1] c 37 N85-33489
- Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
- Light weight fire resistant graphite composites
[US-PATENT-4,598,007] c 24 N86-28131
- Light weight polymer matrix composite material
[NASA-CASE-LEW-14734-1] c 24 N89-23623
- Graphite fluoride from iodine intercalated graphitized carbon
[NASA-CASE-LEW-15360-1] c 25 N92-34206
- Heat transfer device
[NASA-CASE-LEW-14162-4] c 24 N93-20568
- Apparatus for intercalating large quantities of fibrous structures
[NASA-CASE-LEW-15077-2] c 24 N93-29609
- Intercalated hybrid graphite fiber composite
[NASA-CASE-LEW-15241-1] c 24 N94-20539
- GRAPHITE-EPOXY COMPOSITES**
Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
- Method and device for detection of a substance — determining carbon fiber release in fire situations
[NASA-CASE-NPO-14940-1] c 33 N83-31954
- Method for machining holes in composite materials
[NASA-CASE-MFS-28044-1] c 31 N87-25491
- GRAPHITIZATION**
Graphite fluoride fiber polymer composite material
[NASA-CASE-LEW-14472-1] c 24 N91-15320
- Brominated graphitized carbon fibers
[NASA-CASE-LEW-14698-2] c 27 N92-10090
- Graphite fluoride from iodine intercalated graphitized carbon
[NASA-CASE-LEW-15360-1] c 25 N92-34206
- Method for producing hybrid graphite composite
[NASA-CASE-LEW-15241-2] c 24 N93-31296
- GRATINGS (SPECTRA)**
Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003
- Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
- Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768
- Control system for ruling blazed, aberration corrected diffraction gratings
[NASA-CASE-GSC-13240-1] c 35 N92-10186
- Wavelength-division multiplexed optical integrated circuit with vertical diffraction grating
[NASA-CASE-NPO-18357-1CU] c 74 N93-29848
- GRAVIMETERS**
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- GRAVITATION**
Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
- Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789
- GRAVITATIONAL CONSTANT**
Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
- GRAVITATIONAL EFFECTS**
Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
- Rotary plant growth accelerating apparatus — weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503

Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MSC-20202-1] c 54 N84-16803

Load positioning system with gravity compensation
[NASA-CASE-ARC-11525-1] c 37 N86-27629

Hollow fiber clinostat for simulating microgravity in cell culture
[NASA-CASE-MFS-28370-1] c 35 N92-31790

GRAVITATIONAL FIELDS
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537

Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242

Three-dimensional cell to tissue assembly process
[NASA-CASE-MSC-21559-1] c 51 N92-34231

Apparatus and method for producing an artificial gravitational field
[NASA-CASE-MSC-22021-1] c 18 N94-15935

GRAVITY GRADIENT SATELLITES
Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729

Station keeping of a gravity gradient stabilized satellite Patent
[NASA-CASE-XLA-03132] c 31 N71-22969

GRAVITY GRADIOMETERS
Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196

Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324

GRAZING INCIDENCE
Diffractoid grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140

Multispectral glancing incidence X-ray telescope
[NASA-CASE-MFS-28013-1] c 89 N86-22459

GRAZING INCIDENCE TELESCOPES
Multispectral glancing incidence X-ray telescope
[NASA-CASE-MFS-28013-1] c 89 N86-22459

GREENHOUSES
Method and apparatus for bio-regenerative life support system
[NASA-CASE-MSC-21629-1] c 54 N91-31803

GRIDS
Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310

Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N76-14461

Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276

Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666

GRINDING (MATERIAL REMOVAL)
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400

Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448

Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

GRINDING MACHINES
Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905

GROOVES
Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877

Spiral groove seal — for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474

Spiral groove seal — for rotating shaft
[NASA-CASE-XLE-10326-4] c 37 N74-15125

Monogroove heat pipe design: Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180

Nozzle fabrication technique
[NASA-CASE-MSC-21299-2] c 37 N91-32508

GROUND EFFECT (COMMUNICATIONS)
Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390

GROUND EFFECT MACHINES
Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039

Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689

Open tube guideway for high speed air cushioned vehicles
[NASA-CASE-LAR-10256-1] c 85 N74-34672

GROUND HANDLING
Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383

GROUND STATE
Surface modification using low energy ground state ion beams
[NASA-CASE-NPO-17498-1-CU] c 72 N91-14813

GROUND STATIONS
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287

Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118

Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323

GROUND SUPPORT EQUIPMENT
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391

Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043

Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296

GROUND WATER
Flow rate logging seepage meter
[NASA-CASE-LAR-14835-1] c 35 N93-19328

GROUND-AIR-GROUND COMMUNICATION
Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491

Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930

Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173

Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448

GROUT
Antenna grout replacement system
[NASA-CASE-NPO-15202-1] c 27 N83-34043

GUANIDINES
Method of making contamination-free ceramic bodies
[NASA-CASE-LEW-14984-1] c 27 N92-16122

Guanidine based vehicle/binders for use with oxides, metals, and ceramics
[NASA-CASE-LEW-15314-2] c 27 N93-28423

Guanidine based vehicle/binders for use with oxides, metals, and ceramics
[NASA-CASE-LEW-15314-1] c 27 N94-20195

GUARDS (SHIELDS)
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

Trailer shield assembly for a welding torch
[NASA-CASE-MFS-29260-1] c 37 N90-19602

GUIDANCE (MOTION)
Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039

Adjustable attitude guide device Patent
[NASA-CASE-XLA-07911] c 15 N71-15571

Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935

Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136

Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453

Thumb-actuated two-axis controller
[NASA-CASE-ARC-11372-1] c 08 N86-27288

GUIDANCE SENSORS
Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158

Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621

Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673

Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414

Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951

Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231

Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769

GUN LAUNCHERS
Self-obturing, gas operated launcher
[NASA-CASE-NPO-11013] c 11 N72-22247

GUN PROPELLANTS
Nitramine propellants — gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255

Hypervelocity gun — using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

GUNN EFFECT
Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721

Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701

Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679

Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235

GUNS
Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454

GUNS (ORDNANCE)
Ignitability test method and apparatus
[NASA-CASE-LAR-14454-1] c 25 N91-32196

GYNECOLOGY
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875

GYRATORS
Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517

Gyrator employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232

Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638

Integrable power gyrator — with Z-matrix design using parallel transistors
[NASA-CASE-MFS-22342-1] c 33 N75-30428

GYROSCOPES
Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] c 15 N70-34664

Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896

Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132

Temperature compensated digital inertial sensor — circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094

All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399

GYROSCOPIC PENDULUMS
Autonomous navigation system — gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047

GYROSTABILIZERS
Passive dual spin misalignment compensators — gyro stabilized device
[NASA-CASE-GSC-11479-1] c 35 N74-28097

Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158

Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N83-33882

H

HABITATS
Method and apparatus for bio-regenerative life support system
[NASA-CASE-MSC-21629-1] c 54 N91-31803

Pressure wall patch
[NASA-CASE-MFS-28724-1] c 18 N93-17061

HAFLIUM
Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584

HALIDES
Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448

Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643

HALL EFFECT
Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037

Brushless direct current tachometer Patent
[NASA-CASE-MFS-20395] c 09 N71-24904

Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255

Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107

Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213

Magnetic field control — electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569

HALL GENERATORS
Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037

HALOGENS
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739

HAMMERS
Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446

HAND (ANATOMY)

- Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463
- Therapeutic hand exerciser
[NASA-CASE-LAR-11667-1] c 52 N76-19785
- Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652
- Bar-holding prosthetic limb
[NASA-CASE-MFS-28481-1] c 54 N93-14870

HANDLES

- Releasable clamping apparatus
[NASA-CASE-MFS-28192-1] c 37 N90-17154
- Extra-vehicular activity translation tool
[NASA-CASE-MSC-21955-1] c 37 N93-14842

HANDLING EQUIPMENT

- Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
- Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133

HARDENING (MATERIALS)

- Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236

HARDNESS

- Deposition of diamondlike carbon films
[NASA-CASE-LEW-14080-1] c 31 N85-20153

HARMONIC GENERATIONS

- Millimeter-wave monolithic diode-grid frequency multiplier
[NASA-CASE-NPO-17258-1-CU] c 33 N91-14551

HARMONIC GENERATORS

- Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223

HARNESSES

- Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335
- One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085
- Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915

HATCHES

- Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345
- Hatch cover
[NASA-CASE-MSC-21356-1] c 18 N90-19278
- Double face sealing device
[NASA-CASE-MFS-28521-1] c 37 N91-26542

HAZARDS

- Hazards protection for space suits and spacecraft
[NASA-CASE-MSC-21366-1] c 54 N90-25498

HEAD-UP DISPLAYS

- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N84-27733

HEART FUNCTION

- Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
- Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726

HEART RATE

- Digital cardiometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
- Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
- Digital computing cardiometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778
- Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- Passive fetal monitoring sensor
[NASA-CASE-LAR-14088-1-CU] c 35 N92-33016

HEAT

- Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-01903] c 22 N71-23599

HEAT EXCHANGERS

- Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356
- Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
- Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
- Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
- Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
- Heat exchanger system and method
[NASA-CASE-LAR-10799-2] c 34 N76-17317
- Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
- Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463

Flat-plate heat pipe

- [NASA-CASE-GSC-11998-1] c 34 N77-32413
- Combustor --- low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151
- Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403
- Heat exchanger --- rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288
- Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
- Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
- Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799
- Heat exchanger and method of making --- rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897
- Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
- Heat exchanger for electrothermal devices
[NASA-CASE-LEW-14037-1] c 20 N87-16875
- Monogroove cold plate
[NASA-CASE-MSC-20946-1] c 34 N87-28867
- High effectiveness contour matching contact heat exchanger
[NASA-CASE-MSC-20840-1] c 34 N88-29132
- Capillary heat transport and fluid management device
[NASA-CASE-MFS-28217-1] c 34 N89-14392
- Pressurized bellows flat contact heat exchanger interface
[NASA-CASE-MSC-21271-1] c 34 N90-21999
- Thermal power transfer system using applied potential difference to sustain operating pressure difference
[NASA-CASE-NPO-18034-1-CU] c 44 N92-16457
- Heat exchanger with oscillating flow
[NASA-CASE-LAR-14033-1] c 34 N92-28752
- Ultra-high temperature stability Joule-Thomson cooler with capability to accommodate pressure variations
[NASA-CASE-NPO-18184-1-CU] c 35 N92-29156
- Heat exchanger with oscillating flow
[NASA-CASE-LAR-14033-2] c 34 N94-20495

HEAT FLUX

- Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- Plug-type heat flux gauge
[NASA-CASE-LEW-14967-1] c 35 N91-31608
- Method of producing a plug-type heat flux gauge
[NASA-CASE-LEW-14967-2] c 35 N92-22038
- Heat exchanger with oscillating flow
[NASA-CASE-LAR-14033-1] c 34 N92-28752
- Dual active surface, miniature, plug-type heat flux gauge
[NASA-CASE-LEW-15643-1] c 35 N94-15928
- Heat exchanger with oscillating flow
[NASA-CASE-LAR-14033-2] c 34 N94-20495

HEAT MEASUREMENT

- Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
- Specific wavelength colorimeter --- for measuring given solute concentration in test sample
[NASA-CASE-MSC-14081-1] c 35 N74-27860

- Method and device for determining heats of combustion of gaseous hydrocarbons
[NASA-CASE-LAR-13528-1] c 25 N88-29002
- Dual active surface, miniature, plug-type heat flux gauge
[NASA-CASE-LEW-15643-1] c 35 N94-15928

HEAT OF COMBUSTION

- Method and device for determining heats of combustion of gaseous hydrocarbons
[NASA-CASE-LAR-13528-1] c 25 N88-29002

HEAT OF VAPORIZATION

- Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N87-22950

HEAT PIPES

- Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055
- Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
- Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353

Structural heat pipe --- for spacecraft wall thermal insulation system

- [NASA-CASE-GSC-11619-1] c 34 N75-12222
- Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379
- Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
- Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- High thermal power density heat transfer --- thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
- Thermal control system --- removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461
- Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 34 N85-21568
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
- Multi-leg heat pipe evaporator
[NASA-CASE-MSC-20812-1] c 34 N86-27593
- Monogroove cold plate
[NASA-CASE-MSC-20946-1] c 34 N87-28867
- Space vehicle thermal rejection system
[NASA-CASE-LAR-13738-1] c 18 N87-29586
- Polymeric heat pipe wick
[NASA-CASE-GSC-13019-1] c 34 N88-29133
- Reusable high-temperature heat pipes and heat pipe panels
[NASA-CASE-LAR-13761-1] c 34 N90-20323
- Ceramic heat pipe wick
[NASA-CASE-GSC-13199-1] c 27 N90-23541
- Heat tube device
[NASA-CASE-KSC-11395-1-CU] c 34 N91-21473
- Solar thermal energy receiver
[NASA-CASE-LEW-14949-1] c 44 N92-29143

HEAT PUMPS

- Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
- Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084
- Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
- Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335
- Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
- Ceramic heat pipe wick
[NASA-CASE-GSC-13199-1] c 27 N90-23541
- Convergent strand array liquid pumping system
[NASA-CASE-NPO-17301-1-CU] c 31 N90-23587

HEAT RADIATORS

- Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035
- Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
- Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- Space vehicle thermal rejection system
[NASA-CASE-LAR-13738-1] c 18 N87-29586
- Arc-textured high emittance radiator surfaces
[NASA-CASE-LEW-14679-1] c 27 N91-25296
- Lunar radiator shade
[NASA-CASE-MSC-21868-1] c 54 N92-21589

HEAT RESISTANT ALLOYS

- High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
- Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
- Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
- Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
- Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
- Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
- Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160

- Cermet composition and method of fabrication — heat resistant alloys and powders
[NASA-CASE-NPO-13120-1] c 27 N76-15311
- Metallic hot wire anemometer — for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
- Method of growing composites of the type exhibiting the Soret effect — improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187
- Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
- Nickel base alloy — for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
- Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183
- Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
- Heat treatment for superalloy
[NASA-CASE-LEW-14262-1] c 26 N87-28647
- Elevated temperature aluminum alloys
[NASA-CASE-LAR-13632-1] c 26 N87-29650
- Directional solidification of superalloys
[NASA-CASE-MFS-28314-1] c 26 N91-14462
- Metallic threaded composite fastener
[NASA-CASE-MSC-21580-1] c 37 N92-21726
- High-temperature, bellows hybrid seal
[NASA-CASE-LEW-15570-1] c 37 N93-19027
- High temperature creep and oxidation resistant chromium silicide matrix alloy containing molybdenum
[NASA-CASE-LEW-15697-1] c 26 N93-29172
- Oxidation resistant overlay coatings for low expansion substrates
[NASA-CASE-LEW-15154-2] c 27 N93-31300
- HEAT SHIELDING**
- Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- Heat shield Patent
[NASA-CASE-XMS-00486] c 33 N70-33344
- Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
- Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
- Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
- Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
- Synthesis of polymeric Schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
- Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
- Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
- Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
- Thermal insulation attaching means — adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221
- Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
- Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317
- Thermal barrier pressure seal — shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363
- Multilayer thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417
- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
- Mechanical fastener
[NASA-CASE-LAR-12738-2] c 37 N85-30335
- HEAT SINKS**
- Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
- Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
- Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
- Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
- Self-actuating heat switches for redundant refrigeration systems
[NASA-CASE-NPO-17085-1-CU] c 31 N89-12785
- High temperature refractory member with radiation emissive overcoat
[NASA-CASE-NPO-17122-1-CU] c 27 N91-14489
- Semiconductor cooling apparatus
[NASA-CASE-LEW-14162-3] c 24 N93-29614
- Cooling apparatus and couplings therefor
[NASA-CASE-ARC-11921-1] c 34 N94-20371
- HEAT SOURCES**
- Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
- Protected isotope heat source — for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163
- Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214
- High temperature electric arc furnace and method
[NASA-CASE-MFS-28281-1] c 09 N90-23415
- Method and apparatus for thermographically and quantitatively analyzing a structure for disbands and/or inclusions
[NASA-CASE-LAR-14559-1] c 38 N92-29829
- HEAT STORAGE**
- Solar energy trap
[NASA-CASE-MFS-22744-1] c 44 N76-24696
- Thermal energy storage system — operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
- Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474
- Pulse thermal energy transport/storage system
[NASA-CASE-LEW-15235-1] c 34 N92-29125
- HEAT TRANSFER**
- Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
- Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
- Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020
- Method of improving heat transfer characteristics in a nucleate boiling process Patent
[NASA-CASE-XMS-04268] c 33 N71-16277
- Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
- Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22889
- Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
- Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052
- Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084
- High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152
- Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606
- Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
- Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
- Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- Automatic thermal switch — spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
- Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560
- Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 37 N84-22958
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
- Monogroove heat pipe design: Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180
- Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N87-22950
- Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-2] c 34 N88-23958
- Method and apparatus for growing crystals
[NASA-CASE-MFS-28137-1] c 76 N88-24544
- Pressurized bellows flat contact heat exchanger interface
[NASA-CASE-MSC-21271-1] c 34 N90-21999
- Hydrodynamic skin-friction reduction
[NASA-CASE-LAR-14078-1-CU] c 34 N90-27071
- Heat transfer device and method of making the same
[NASA-CASE-LEW-14162-1] c 34 N91-13668
- Acoustic transducer apparatus with reduced thermal conduction
[NASA-CASE-NPO-17620-1-CU] c 71 N91-14808
- Heat tube device
[NASA-CASE-KSC-11395-1-CU] c 34 N91-21473
- Flexible thermal apparatus for mounting of thermoelectric cooler
[NASA-CASE-NPO-17806-1-CU] c 31 N91-27385
- Heat exchanger with oscillating flow
[NASA-CASE-LAR-14033-1] c 34 N92-28752
- Pulse thermal energy transport/storage system
[NASA-CASE-LEW-15235-1] c 34 N92-29125
- Solar thermal energy receiver
[NASA-CASE-LEW-14949-1] c 44 N92-29143
- Heat transfer device
[NASA-CASE-LEW-14162-4] c 24 N93-20568
- Multi-heat addition turbine engine
[NASA-CASE-LEW-15094-1] c 07 N93-22034
- Semiconductor cooling apparatus
[NASA-CASE-LEW-14162-3] c 24 N93-29614
- Heat exchanger with oscillating flow
[NASA-CASE-LAR-14033-2] c 34 N94-20495
- HEAT TREATMENT**
- Heat flow calorimeter — measures output of Ni-Cd batteries
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- Protected isotope heat source — for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
- Method and apparatus for thermographically and quantitatively analyzing a structure for disbands and/or inclusions
[NASA-CASE-LAR-14559-1] c 38 N92-29829
- HEAT TREATMENT**
- High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
- Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
- Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
- Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
- Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
- Diffusion welding — heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-28236
- Method for detecting pollutants — through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714

- Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSD-19693-1] c 26 N78-24333
- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- Active hold-down for heat treating
[NASA-CASE-NPO-16892-1-CU] c 37 N87-14704
- Heat treatment for superalloy
[NASA-CASE-LEW-14262-1] c 26 N87-28647
- Method of preparing fiber reinforced ceramic material
[NASA-CASE-LEW-14392-1] c 27 N87-28656
- Cellular thermosetting fluoropolymers and process for making them
[NASA-CASE-GSC-13008-1] c 27 N88-23894
- Solidification processing of alloys using an applied electric field
[NASA-CASE-MFS-26083-1-CU] c 26 N90-26940
- Thermal treatment of silicon integrated circuit chips to prevent and heal voids in aluminum metallization
[NASA-CASE-NPO-17678-1-CU] c 76 N91-28014
- Low toxicity high temperature PMR polyimide
[NASA-CASE-LAR-14639-1] c 27 N93-14709
- HEATERS**
Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
- HEATING**
System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772
- Diffusion welding in air — solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-LEW-11387-1] c 37 N74-18128
- Heating and cooling system — for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
- Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSD-25707-1] c 35 N85-29214
- Method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-2] c 07 N86-20389
- Thermocouple for heating and cooling of memory metal actuators
[NASA-CASE-NPO-17068-1-CU] c 35 N88-29151
- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-2-SB] c 27 N90-21177
- Acoustic convective system
[NASA-CASE-NPO-17278-1-CU] c 31 N90-21215
- Convergent strand array liquid pumping system
[NASA-CASE-NPO-17301-1-CU] c 31 N90-23587
- Furnace for tensile/fatigue testing
[NASA-CASE-LEW-14848-1] c 14 N91-27175
- Method and apparatus for preloading a joint by remotely operable means
[NASA-CASE-MSD-21940-1] c 37 N92-30540
- Method and apparatus for preloading a joint by remotely operable means
[NASA-CASE-MSD-21940-1] c 37 N93-20120
- HEATING EQUIPMENT**
Method and apparatus for controllably heating fluid
Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- Self-cycling fluid heater
[NASA-CASE-MSD-15567-1] c 33 N73-16918
- Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
- Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286
- Spacecraft component heater control system
[NASA-CASE-MFS-28327-1] c 18 N89-28556
- Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N91-14562
- Flexible heating head for induction heating apparatus and method
[NASA-CASE-LAR-14679-2] c 32 N92-31150
- HEIGHT**
Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N83-34304
- HELICAL ANTENNAS**
Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
- Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117
- HELICAL WINDINGS**
High temperature, flexible, fiber-preform seal
[NASA-CASE-LEW-15085-1] c 37 N92-22043
- HELICOPTER CONTROL**
Helicopter anti-torque system using fuselage strakes
[NASA-CASE-LAR-13630-1] c 08 N88-23809
- Helicopter low-speed yaw control
[NASA-CASE-LAR-14219-1] c 08 N93-25998
- HELICOPTER DESIGN**
Helicopter anti-torque system using fuselage strakes
[NASA-CASE-LAR-13630-1] c 08 N88-23809
- HELICOPTER WAKES**
Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018
- HELICOPTERS**
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
- Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847
- Shapes for rotating airfoils
[NASA-CASE-LAR-12396-1] c 02 N84-28732
- Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400
- Swashplate control system
[NASA-CASE-ARC-11633-1] c 08 N87-23631
- High lift, low pitching moment airfoils
[NASA-CASE-LAR-13215-1] c 02 N89-14224
- Airborne rescue system
[NASA-CASE-ARC-11909-1] c 03 N91-31113
- Helicopter low-speed yaw control
[NASA-CASE-LAR-14219-1] c 08 N93-25998
- HELIOSTATS**
Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- HELIUM**
Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946
- High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
- Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N78-29575
- Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
- Thermal compensator for closed-cycle helium refrigerator — assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
- Gas storage and recovery system
[NASA-CASE-MSD-22091-1] c 31 N93-28136
- HELIUM HYDROGEN ATMOSPHERES**
Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- HELIUM IONS**
Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
- HELIUM-NEON LASERS**
Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- Direction sensitive laser velocimeter — determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422
- Radiation sensitive area detection device and method
[NASA-CASE-MFS-28563-1] c 35 N91-25388
- HELMET MOUNTED DISPLAYS**
EMU helmet mounted display
[NASA-CASE-MSD-21460-1] c 54 N91-13879
- HELMETS**
Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
- Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
- Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
- Emergency space-suit helmet
[NASA-CASE-MSD-10954-1] c 54 N78-18761
- Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
- Helmet of a laminate construction of polycarbonate and polysulfone polymeric material
[NASA-CASE-MSD-21503-1] c 27 N92-10091
- Protective helmet assembly
[NASA-CASE-MSD-21842-1] c 54 N93-17088
- HELMHOLTZ RESONATORS**
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933
- HEMISPHERICAL SHELLS**
Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
- HERMETIC SEALS**
Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
- Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078
- Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
- Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
- Hermetic sealed vibration damper Patent
[NASA-CASE-MSD-10959] c 15 N71-26243
- Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132
- Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195
- Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
- Method for forming hermetic seals
[NASA-CASE-NPO-16423-1-CU] c 37 N87-21334
- Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSD-20181-1] c 33 N88-23941
- HETEROCYCLIC COMPOUNDS**
Polybenzimidazoles via aromatic nucleophilic displacement
[NASA-CASE-LAR-14643-1] c 27 N92-29953
- Poly(1,2,4-triazole) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14440-1] c 23 N93-18283
- Polybenzoxazole via aromatic nucleophilic displacement
[NASA-CASE-LAR-14606-1-CU] c 23 N94-20540
- HETEROJUNCTIONS**
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[NASA-CASE-LEW-15196-1] c 37 N92-29092
- Rolling friction robot fingers
[NASA-CASE-GSC-13261-1] c 37 N92-29138
- Fingered bola body, bola with same, and methods of use
[NASA-CASE-MS-C-21967-1] c 37 N92-30026
- Split rail gripper assembly and tool driver therefor
[NASA-CASE-GSC-13370-2] c 37 N93-18288
- System for testing bearings
[NASA-CASE-MFS-28589-1] c 37 N93-29618
- Fingered bola body, bola with same, and methods of use
[NASA-CASE-MS-C-21967-1] c 37 N94-23822

HOLE DISTRIBUTION (MECHANICS)

- Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409

HOLE GEOMETRY (MECHANICS)

- Device for measuring hole elongation in a bolted joint
[NASA-CASE-LAR-13453-1] c 37 N88-14361

HOLE MOBILITY

- Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460

HOLES (MECHANICS)

- Hole cutter --- drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186
- Device for measuring hole elongation in a bolted joint
[NASA-CASE-LAR-13453-1] c 37 N88-14361
- Mold bolt and means for achieving close tolerances between bolts and bolt holes
[NASA-CASE-MFS-28720-1] c 37 N94-20379
- Pressure wall patch
[NASA-CASE-MFS-28724-1] c 18 N94-23824

HOLLOW

Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-17372-1] c 44 N79-10513

HOLLOW CATHODES

Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491

HOLMIUM

Tm,Ho:YLF laser end-pumped by a semiconductor diode laser array
[NASA-CASE-NPO-17282-1-CU] c 36 N91-15528

HOLOGRAPHIC INTERFEROMETRY

Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N84-22929
Dual wavelength holographic interferometry system
[NASA-CASE-MFS-28242-1] c 35 N89-26202

HOLOGRAPHY

Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
Multiple image storing system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324
Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
Method and apparatus for checking the stability of a setup for making reflection type holograms
[NASA-CASE-MFS-21455-1] c 35 N74-15146
Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124
Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402
Optical process for producing classification maps from multispectral data
[NASA-CASE-MSC-14472-1] c 43 N77-10584
Real-time dynamic holographic image storage device
[NASA-CASE-LAR-13989-1] c 35 N91-13694
Control system for ruling blazed, aberration corrected diffraction gratings
[NASA-CASE-GSC-13240-1] c 35 N92-10186
All-optical photochromic spatial light modulators based on photoinduced electron transfer in rigid matrices
[NASA-CASE-NPO-17612-1-CU] c 74 N92-16808
Display system employing acousto-optic tunable filter
[NASA-CASE-NPO-18736-1-CU] c 74 N94-15933
Aberration correction of unstable resonators
[NASA-CASE-NPO-18791-1-CU] c 35 N94-15987
Conically scanned holographic lidar telescope
[NASA-CASE-GSC-13462-1] c 74 N94-20591

HOMING DEVICES

Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173

HONEYCOMB CORES

Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522
Honeycomb core structures of minimal surface tubule sections
[NASA-CASE-ERC-10363] c 18 N72-25541

HONEYCOMB STRUCTURES

Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651

Cryogenic thermal insulation Patent

[NASA-CASE-XMF-05046] c 33 N71-28892
Honeycomb panels formed of minimal surface periodic tubule layers
[NASA-CASE-ERC-10364] c 18 N72-25540
Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489
Insert facing tool — manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N78-16915
Ceramic honeycomb structures and the method thereof
[NASA-CASE-ARC-11652-1] c 27 N87-23737
Reusable cryogenic liquid rocket propellant tank
[NASA-CASE-LAR-14172-1] c 20 N93-31295
Improved composite flexible blanket insulation
[NASA-CASE-ARC-11955-1-CU] c 24 N94-15926

HOOKS

Fingered bola body, bola with same, and methods of use
[NASA-CASE-MSC-21967-1] c 37 N92-30026
Attachment device
[NASA-CASE-MSC-21885-1] c 37 N94-15925
Fingered bola body, bola with same, and methods of use
[NASA-CASE-MSC-21967-1] c 37 N94-23822

HOOP COLUMN ANTENNAS

Latching mechanism for deployable/re-stowable columns useful in satellite construction
[NASA-CASE-LAR-13169-1] c 37 N86-25791
Antenna surface contour control system
[NASA-CASE-LAR-13798-1] c 32 N89-25363

HOPPERS

Energy efficient continuous flow ash lockhopper
[NASA-CASE-NPO-16985-1-CU] c 31 N91-15423

HORIZON SCANNERS

Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475

HORIZONTAL SPACECRAFT LANDING

Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986

HORIZONTAL TAIL SURFACES

Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
Apparatus and method for improving spin recovery on aircraft
[NASA-CASE-LAR-14747-1] c 08 N94-20556

HORN ANTENNAS

Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907
Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539

Multifrequency broadband polarized horn antenna

[NASA-CASE-NPO-14588-1] c 32 N81-25278

HOSES

Self-contained, single-use hose and tubing cleaning module
[NASA-CASE-MSC-20857-1] c 37 N87-17035

HOT CATHODES

Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889

HOT CORROSION

Castable hot corrosion resistant alloy
[NASA-CASE-LEW-14134-2] c 26 N89-14303

HOT ISOSTATIC PRESSING

One step HIP canning of powder metallurgy composites
[NASA-CASE-LEW-14719-1] c 24 N90-23483
Process for HIP canning of composites
[NASA-CASE-LEW-14990-1-CU] c 24 N91-17145

HOT PRESSING

Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N84-12491
Silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-1] c 24 N93-11543
Method of producing a silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-2] c 24 N94-15929

HOT WORKING

Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803

HOT-FILM ANEMOMETERS

Crossflow vorticity sensor
[NASA-CASE-LAR-13436-1-CU] c 02 N88-23759
Method of forming a multiple layer dielectric and a hot film sensor therewith
[NASA-CASE-LAR-13678-1] c 76 N90-24168

HOT-WIRE ANEMOMETERS

Metallic hot wire anemometer — for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454

HOT-WIRE FLOWMETERS

Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

HOUSINGS

Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
Open type urine receptacle
[NASA-CASE-MSC-12324-1] c 05 N72-22093
Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13482
Cryogenic gyroscope housing — with annular disks for gas spin-up
[NASA-CASE-MFS-21136-1] c 35 N74-18323
Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
Deformable bearing seal
[NASA-CASE-LEW-12527-1] c 37 N77-32500
Preloadable vector sensitive latch
[NASA-CASE-MSC-20910-1] c 37 N87-25582
Double face sealing device
[NASA-CASE-MFS-28521-1] c 37 N91-26542
Roller locking brake
[NASA-CASE-GSC-13376-1] c 37 N92-21728
Electromagnetic attachment mechanism
[NASA-CASE-MSC-21463-1] c 37 N92-33018
Arc/gas electrode
[NASA-CASE-MFS-29766-1] c 33 N92-33030
Device for removing foreign objects from anatomic organs
[NASA-CASE-GSC-13306-1] c 52 N92-33032
Cooling apparatus and couplings therefor
[NASA-CASE-ARC-11921-1] c 34 N94-20371
Magnetic power piston fluid compressor
[NASA-CASE-GSC-13565-1] c 37 N94-23831

HOVERING

Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039

HUBBLE SPACE TELESCOPE

System for the measurement of ultra-low stray light levels — determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865

- Orbital maneuvering end effectors
[NASA-CASE-MFS-28161-1] c 37 N87-18817
- HUBS**
- Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336
- HUGENIOT EQUATION OF STATE**
- Determining particle density using known material
Hugeniot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810
- HULLS (STRUCTURES)**
- Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305
- HUMAN BEHAVIOR**
- Method of encouraging attention by correlating video game difficulty with attention level
[NASA-CASE-LAR-15022-1] c 53 N93-28128
- HUMAN BEINGS**
- Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
- Emergency escape system Patent
[NASA-CASE-KSC-07814] c 15 N71-27067
- Rapidly quantifying the relative distention of a human bladder
[NASA-CASE-LAR-13901-2] c 52 N92-11621
- HUMAN BODY**
- Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
- Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
- Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
- Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
- Circumferential pressure probe
[NASA-CASE-LAR-13775-1] c 35 N90-23706
- HUMAN FACTORS ENGINEERING**
- Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- Harness assembly Patent
[NASA-CASE-MFS-14671] c 05 N71-12341
- Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909
- Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
- Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
- EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
- Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- Urine collection apparatus -- feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740
- Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
- Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
- Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N86-28618
- Shoulder and hip joint for hard space suits
[NASA-CASE-ARC-11543-1] c 54 N86-28620
- Multi-adjustable headband -- for headsets
[NASA-CASE-KSC-11322-1] c 54 N89-29953
- Compliant walker
[NASA-CASE-GSC-13348-2] c 52 N93-14708
- Portable seat lift
[NASA-CASE-MFS-28610-1] c 54 N93-17045
- HUMAN PERFORMANCE**
- Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-18015
- Method of encouraging attention by correlating video game difficulty with attention level
[NASA-CASE-LAR-15022-1] c 53 N93-28128
- HUMAN REACTIONS**
- Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114
- Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-2] c 52 N89-16256
- HUMAN WASTES**
- Reduced gravity fecal collector seat and urinal
[NASA-CASE-MFS-22102-1] c 54 N74-20725
- Automatic biowaste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
- Absorbent product to absorb fluids -- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362
- Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 54 N84-11758
- HUMAN-COMPUTER INTERFACE**
- Force reflecting hand controller
[NASA-CASE-NPO-17851-1-CU] c 37 N93-23078
- HUMIDITY**
- Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
- Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
- HUMIDITY MEASUREMENT**
- Water-absorbing capacitor system for measuring relative humidity
[NASA-CASE-NPO-16544-1-CU] c 35 N87-22953
- HYBRID CIRCUITS**
- Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
- Hybrid power semiconductor
[NASA-CASE-LEW-13922-1] c 33 N86-20672
- Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N88-23941
- HYBRID COMPOSITES**
- Method for producing hybrid graphite composite
[NASA-CASE-LEW-15241-2] c 24 N93-31296
- HYBRID COMPUTERS**
- Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920
- HYBRID PROPELLANTS**
- Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
- HYDRAULIC CONTROL**
- Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578
- Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
- Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
- Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
- Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479
- HYDRAULIC EQUIPMENT**
- Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
- Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
- Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
- Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
- Hydraulic grip Patent
[NASA-CASE-XLA-05100] c 15 N71-17696
- Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530
- Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
- Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754
- Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
- Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
- Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021
- Geysering inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
- Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466
- Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050
- Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
- Filter regeneration systems -- a system for regenerating a system filter in a fluid flow line
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- Quick disconnect filter coupling
[NASA-CASE-MFS-22323-1] c 37 N76-14463
- Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
- Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693
- Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N84-28085
- Personnel emergency carrier vehicle
[NASA-CASE-KSC-11282-1] c 85 N87-21755
- Fatigue testing a plurality of test specimens and method
[NASA-CASE-MFS-28118-1] c 39 N87-25601
- Control surface actuator
[NASA-CASE-LAR-12852-1] c 05 N89-11738
- Passively activated prehensile digit for a robotic end effector
[NASA-CASE-NPO-16766-1-CU] c 37 N89-13785
- Hydraulic lifting device
[NASA-CASE-SSC-00008-1] c 37 N91-13733
- HYDRAULIC FLUIDS**
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- HYDRAULIC JETS**
- Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N89-25242
- HYDRAZIDES**
- Poly(1,3,4-oxadiazoles) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14427-1] c 23 N92-29141
- Di(hydroxyphenyl)-1,2,4-triazole monomers
[NASA-CASE-LAR-14440-2] c 27 N94-23075
- HYDRAZINE ENGINES**
- Reciprocating engines
[NASA-CASE-MSC-16239-1] c 37 N81-32510
- HYDRAZINE NITROFORMATE**
- Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
- HYDRAZINES**
- Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
- Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions -- by adding potassium hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203
- A process for preparing 1,3-diamino-5-pentafluorosulfanylbene and polymers therefrom
[NASA-CASE-LAR-14773-1-CU] c 27 N92-10105
- HYDRIDES**
- Ten degree Kelvin hydride refrigerator
[NASA-CASE-NPO-16393-1-CU] c 31 N87-21159
- HYDROCARBON COMBUSTION**
- In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
- HYDROCARBON FUEL PRODUCTION**
- Molten salt pyrolysis of latex -- synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- HYDROCARBON FUELS**
- Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
- Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
- Dual-fuel, dual-mode rocket engine
[NASA-CASE-LAR-13773-1] c 20 N90-19298
- Regenerative Cu/La zeolite supported desulfurizing sorbents
[NASA-CASE-NPO-17480-1-CU] c 25 N92-10073
- HYDROCARBONS**
- Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
- Combustion engine -- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
- Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
- Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 34 N86-12547
- Method and device for determining heats of combustion of gaseous hydrocarbons
[NASA-CASE-LAR-13528-1] c 25 N88-29002
- Some 1-(diorganoxyphosphonyl)methyl-2,4- and -2,6-dinitro-benzenes
[NASA-CASE-ARC-11425-3] c 23 N90-23475
- Polyimide from bis(n-isoprenyl)s of aryl diamides
[NASA-CASE-LAR-14330-2-CU] c 27 N93-22033
- HYDROCHLORIC ACID**
- Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
- HYDROCHLORIDES**
- Method and apparatus for rebalancing a REDOX flow cell system
[NASA-CASE-LEW-14127-1] c 33 N86-20680

- Di(hydroxyphenyl)-1,2,4-triazole monomers
[NASA-CASE-LAR-14440-2] c 27 N94-23075
- HYDRODYNAMICS**
Dual clearance squeeze film damper
[NASA-CASE-LEW-13506-1] c 37 N85-33490
Hydrodynamic skin-friction reduction
[NASA-CASE-LAR-14078-1-CU] c 34 N90-27071
Polymer/riblet combination for hydrodynamic skin friction reduction
[NASA-CASE-LAR-14271-1-CU] c 27 N91-13558
Passive laminar flow control of crossflow vorticity
[NASA-CASE-LAR-13563-1] c 34 N91-23410
- HYDROFOILS**
Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305
- HYDROFORMING**
Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- HYDROGEN**
Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MSC-13335-1] c 06 N72-31140
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641
Hydrogen-rich gas generator
[NASA-CASE-NPO-13464-1] c 44 N76-18642
Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253
Static feed water electrolysis subsystem development
[NASA-CASE-MSC-21577-1-SB] c 25 N91-23271
- HYDROGEN ATOMS**
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365
Atomic hydrogen storage — cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- HYDROGEN EMBRITTLEMENT**
Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions — by adding potassium hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203
- HYDROGEN ENGINES**
Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
- HYDROGEN FUELS**
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
Dual-fuel, dual-mode rocket engine
[NASA-CASE-LAR-13773-1] c 20 N90-19298
- HYDROGEN IONS**
Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186

HYDROGEN OXYGEN FUEL CELLS

- Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052
Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
- HYDROGEN PEROXIDE**
Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- HYDROGEN PRODUCTION**
Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N91-14495
- HYDROGENATION**
Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
- HYDROLOGY**
Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
Flow rate logging seepage meter
[NASA-CASE-LAR-14835-1] c 35 N93-19328
- HYDROLYSIS**
Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
Apparatus and method for cellulose processing using microwave pretreatment
[NASA-CASE-MSC-21936-1-SB] c 25 N93-22036
- HYDROSTATIC PRESSURE**
Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MSC-20202-1] c 54 N84-16803
- HYDROSTATICS**
Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486
Hybrid bearings for turbopumps and the like
[NASA-CASE-MFS-28491-1] c 37 N93-28326
- HYDROXIDES**
Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
Synthesis of dawsonites — for use in fire extinguishing operations
[NASA-CASE-ARC-11326-1] c 25 N83-33977
- HYDROXYL COMPOUNDS**
Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174
Di(hydroxyphenyl)-1,2,4-triazole monomers
[NASA-CASE-LAR-14440-2] c 27 N94-23075
- HYGIENE**
Urine collection apparatus — feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740
- HYGROMETERS**
Polymeric electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- HYGROSCOPICITY**
Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934
- HYOSCINE**
Intranasal scopolamine preparation and method
[NASA-CASE-MSC-21858-1] c 52 N92-11628
- HYPERCUBE MULTIPROCESSORS**
Fault tolerant hypercube computer system architecture
[NASA-CASE-NPO-16859-1-CU] c 60 N90-21527
Method of up-front load balancing for local memory parallel processors
[NASA-CASE-MSC-21348-1] c 62 N91-14769
- HYPERFINE STRUCTURE**
Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
- HYPERGOLIC ROCKET PROPELLANTS**
Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
- HYPERSONIC AIRCRAFT**
Multistage aerospace craft — perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907

HYPERSONIC FLIGHT

- Hyperonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- HYPERSONIC FLOW**
Hyperonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
- HYPERSONIC SPEED**
Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242
Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144
- HYPERSONIC VEHICLES**
Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
- HYPERSONIC WIND TUNNELS**
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
Quantitative surface temperature measurement using two-color thermographic phosphors and video equipment
[NASA-CASE-LAR-13740-1] c 35 N90-22770
Pilot-pressure probe for measuring pressure in a hypersonic wind tunnel
[NASA-CASE-LAR-14232-1] c 09 N92-34213
- HYPERThERmIA**
Hyperthermia heating apparatus — cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996
- HYPERVELOCITY GUNS**
Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578
Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152
Hypervelocity gun — using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- HYPERVELOCITY IMPACT**
Method of and device for determining the characteristics and flux distribution of micrometeorites — scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130
Hypervelocity impact shield
[NASA-CASE-MSC-21420-1] c 18 N92-15114
- HYPERVELOCITY PROJECTILES**
Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
Multiple image storing system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324
Ablative shielding for hypervelocity projectiles
[NASA-CASE-MSC-21884-1] c 27 N93-29088
- HYPERVELOCITY WIND TUNNELS**
Hyperonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Hyperonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475
- HYSTERESIS**
Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504
Wind tunnel balance
[NASA-CASE-ARC-11877-1-SB] c 09 N91-14357
- ICE**
Ice detector
[NASA-CASE-LAR-13776-1] c 35 N88-29149
- IDENTIFYING**
Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
- IGNITERS**
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Remote fire stack igniter — with solenoid-controlled valve
[NASA-CASE-MFS-21675-1] c 25 N74-33378
Molded composite pyrogen igniter for rocket motors — solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

- Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491
- Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214
- IGNITION**
- Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
- Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413
- Ignitability test method and apparatus
[NASA-CASE-LAR-13996-1-SB] c 25 N90-15161
- Ignitability test method and apparatus
[NASA-CASE-LAR-14454-1] c 25 N91-32196
- Protective helmet assembly
[NASA-CASE-MSC-21842-1] c 54 N93-17088
- IGNITION LIMITS**
- High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518
- IGNITION SYSTEMS**
- Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
- Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
- Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
- Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385
- IGNITION TEMPERATURE**
- Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
- ILLUMINATING**
- EMU helmet mounted display
[NASA-CASE-MSC-21460-1] c 54 N91-13879
- ILLUMINATORS**
- Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
- IMAGE ANALYSIS**
- Real-time image difference detection using a polarization rotation special light modulator
[NASA-CASE-NPO-17144-1-CU] c 74 N88-25305
- Method and apparatus for sensor fusion
[NASA-CASE-MSC-21334-1] c 32 N91-25317
- General method of pattern classification using the two-domain theory
[NASA-CASE-MSC-21737-1] c 61 N93-18282
- IMAGE CONTRAST**
- Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341
- Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- Method and apparatus to characterize ultrasonically reflective contrast agents
[NASA-CASE-LAR-14969-1] c 52 N94-17085
- IMAGE CONVERTERS**
- Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652
- Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
- Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
- Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- IMAGE CORRELATORS**
- Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
- Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
- Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N86-21348
- IMAGE DISSECTOR TUBES**
- Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244
- Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935
- IMAGE ENHANCEMENT**
- Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
- Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706
- Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389
- Dynamic range compression/expansion of light beams by photorefractive crystals
[NASA-CASE-NPO-17140-1-CU] c 74 N89-14077
- Real-time edge-enhanced optical correlator
[NASA-CASE-NPO-18379-1-CU] c 74 N92-33022
- Large area projection liquid-crystal video display system with inherent grid pattern optically removed
[NASA-CASE-NPO-16932-2-CU] c 74 N93-13711
- IMAGE FILTERS**
- Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
- Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
- Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706
- Method for providing a polarization filter for processing synthetic aperture radar image data
[NASA-CASE-NPO-17904-1-CU] c 32 N91-13594
- Multiresponse imager and imaging process for improved resolution
[NASA-CASE-LAR-14779-1] c 74 N92-29951
- IMAGE FURNACES**
- Correction-free pyrometry in radiant wall furnaces
[NASA-CASE-NPO-18655-1-CU] c 35 N93-28322
- IMAGE INTENSIFIERS**
- Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
- Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389
- IMAGE PROCESSING**
- Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
- Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
- Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- Data volume reduction for imaging radar polarimetry
[NASA-CASE-NPO-17184-1-CU] c 32 N88-26541
- Programmable pipelined image processor
[NASA-CASE-NPO-16461-1-CU] c 60 N89-26400
- Method for providing a polarization filter for processing synthetic aperture radar image data
[NASA-CASE-NPO-17904-1-CU] c 32 N91-13594
- Real-time dynamic holographic image storage device
[NASA-CASE-LAR-13989-1] c 35 N91-13694
- Programmable remapper with single flow architecture
[NASA-CASE-MSC-21481-1] c 60 N91-13890
- General method of pattern classification using the two-domain theory
[NASA-CASE-MSC-21737-1] c 61 N91-13911
- Motion detection, novelty filtering, and target tracking using an interferometric technique with a GaAs phase conjugate mirror
[NASA-CASE-NPO-17784-1-CU] c 74 N91-13998
- Generation of topographic terrain models utilizing synthetic aperture radar and surface level data
[NASA-CASE-GSC-13212-1] c 43 N91-32546
- Composite video and graphics display for multiple camera viewing system in robotics and teleoperation
[NASA-CASE-NPO-17836-1-CU] c 32 N92-10126
- Programmable remapper for image processing
[NASA-CASE-MSC-21350-1] c 60 N92-16563
- Digital data registration and differencing compression system
[NASA-CASE-SSC-00010-2] c 82 N92-23550
- Method and apparatus for predicting the direction of movement in machine vision
[NASA-CASE-NPO-17552-1-CU] c 54 N92-29129
- Multiresponse imager and imaging process for improved resolution
[NASA-CASE-LAR-14779-1] c 74 N92-29951
- Near real-time stereo vision system
[NASA-CASE-NPO-18583-1-CU] c 74 N93-18276
- General method of pattern classification using the two-domain theory
[NASA-CASE-MSC-21737-1] c 61 N93-18282
- Composite video and graphics display for camera viewing systems in robotics and teleoperation
[NASA-CASE-NPO-17836-1-CU] c 32 N93-18284
- Optoelectronic associative memory
[NASA-CASE-NPO-18278-1-CU] c 74 N94-20303
- IMAGE RECONSTRUCTION**
- Digital data registration and differencing compression system
[NASA-CASE-SSC-00010-1] c 82 N91-23976
- Programmable remapper for image processing
[NASA-CASE-MSC-21350-1] c 60 N92-16563
- IMAGE RESOLUTION**
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- Multiresponse imager and imaging process for improved resolution
[NASA-CASE-LAR-14779-1] c 74 N92-29951
- Improved real-time imaging spectrometer
[NASA-CASE-NPO-18410-1-CU] c 74 N93-29086
- IMAGE ROTATION**
- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- IMAGE TUBES**
- Image tube --- deriving electron beam replica of image
[NASA-CASE-GSC-11602-1] c 33 N74-21850
- System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
- IMAGERY**
- Television monitor field shifter and an opto-electronic method for obtaining a stereo image of optimal depth resolution and reduced depth distortion on a single screen
[NASA-CASE-NPO-17249-1-CU] c 32 N89-28676
- Atmospheric autorotating imaging device
[NASA-CASE-NPO-17390-1-CU] c 35 N90-22769
- IMAGES**
- Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728
- Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N86-28732
- Picture data compression coder using subband/transform coding with a Lempel-Ziv-based coder
[NASA-CASE-LEW-15700-1] c 82 N93-28130
- IMAGING RADAR**
- Data volume reduction for imaging radar polarimetry
[NASA-CASE-NPO-17184-1-CU] c 32 N88-26541
- IMAGING SPECTROMETERS**
- Improved real-time imaging spectrometer
[NASA-CASE-NPO-18410-1-CU] c 74 N93-29086
- IMAGING TECHNIQUES**
- Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
- Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
- Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
- Multispectral imaging system
[NASA-CASE-MSC-12404-1] c 23 N73-13661
- Multiple pass reimaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
- Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
- Data storage, image tube type
[NASA-CASE-MSC-14053-1] c 60 N74-12888
- Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095
- Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
- Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
- Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
- Low intensity X-ray and gamma-ray imaging device --- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
- Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
- Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
- System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
- Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416

- Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898
- Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920
- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
- Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N85-30281
- Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327
- Multispectral linear array multiband selection device
[NASA-CASE-GSC-12911-1] c 74 N86-29650
- Optical scanner
[NASA-CASE-GSC-12897-1] c 74 N87-21679
- Noncontact temperature pattern measuring device
[NASA-CASE-NPO-17824-1-CU] c 36 N90-17132
- Quantitative surface temperature measurement using two-color thermographic phosphors and video equipment
[NASA-CASE-LAR-13740-1] c 35 N90-22770
- Improving the geometric fidelity of imaging systems employing sensor arrays
[NASA-CASE-NPO-17970-1-CU] c 43 N90-26384
- Variable magnification variable dispersion glancing incidence imaging x ray spectroscopic telescope
[NASA-CASE-MFS-28013-3] c 89 N90-27594
- Variable magnification glancing incidence x ray telescope
[NASA-CASE-MFS-28013-2] c 89 N91-14096
- Programmable remapper for image processing
[NASA-CASE-MSC-21350-1] c 60 N92-16563
- Water window imaging x ray microscope
[NASA-CASE-MFS-28485-1] c 35 N92-29135
- Method for advanced material characterization by laser induced eddy current imaging
[NASA-CASE-GSC-13386-1] c 38 N92-29154
- Multiresponse imager and imaging process for improved resolution
[NASA-CASE-LAR-14779-1] c 74 N92-29951
- Programmable hyperspectral image mapper with on-array processing
[NASA-CASE-NPO-17794-1-CU] c 74 N92-30104
- Multispectral variable magnification glancing incidence x ray telescope
[NASA-CASE-MFS-28013-4] c 89 N92-33012
- Method of remotely characterizing thermal properties of a sample
[NASA-CASE-LAR-13508-3-CU] c 09 N93-11057
- Method and apparatus for filtering visual documents
[NASA-CASE-MSC-22093-1] c 82 N93-22017
- Off-surface infrared flow visualization
[NASA-CASE-LAR-14568-1] c 74 N93-22037
- Plasma arc welding weld imaging
[NASA-CASE-MFS-28797-1] c 37 N94-15949
- Method and apparatus to characterize ultrasonically reflective contrast agents
[NASA-CASE-LAR-14969-1] c 52 N94-17085
- Wide-angle imaging system with fiberoptic components providing angle-dependent virtual material stops
[NASA-CASE-NPO-18146-1-CU] c 74 N94-20345
- IMIDES**
- Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
- Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590
- Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazene polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909
- Process for preparing phthalocyanine polymer from imide containing bisphthalonitrile
[NASA-CASE-ARC-11511-2] c 27 N87-21112
- Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl) methyl -2,4- and -2,6- diaminobenzenes
[NASA-CASE-ARC-11533-3] c 27 N87-24564
- Aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-3] c 23 N88-24692
- Fire and heat resistant laminating resin based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl-methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11533-2] c 27 N89-16042
- Acetylene terminated aspartimides and resins therefrom
[NASA-CASE-LAR-14188-1] c 27 N80-23545
- N-(3-ethynylphenyl)maleimide
[NASA-CASE-LAR-14188-2] c 23 N91-14419
- Polyimide processing additives
[NASA-CASE-LAR-13669-1] c 27 N92-29157
- Imide/arylene ether copolymers
[NASA-CASE-LAR-14159-1-CU] c 27 N92-31792
- Polyimide processing additives
[NASA-CASE-LAR-13669-2] c 27 N94-23079
- IMINES**
- Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236
- Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
- Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
- Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740
- IMMOBILIZATION**
- Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
- Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- Active hold-down for heat treating
[NASA-CASE-NPO-16892-1-CU] c 37 N87-14704
- IMPACT**
- Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443
- Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
- Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
- Method and apparatus for determining time, direction, and composition of impacting space particles
[NASA-CASE-LAR-13392-1-CU] c 19 N91-14412
- System for determining the angle of impact of an object on a structure
[NASA-CASE-LAR-14817-1] c 35 N93-20569
- IMPACT ACCELERATION**
- Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146
- IMPACT DAMAGE**
- Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240
- Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450
- Impact tolerant material
[NASA-CASE-LAR-12887-3] c 24 N90-21822
- System for determining the angle of impact of an object on a structure
[NASA-CASE-LAR-14817-1] c 35 N93-20569
- IMPACT LOADS**
- Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
- Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225
- IMPACT RESISTANCE**
- Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032
- Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
- Protective helmet assembly
[NASA-CASE-MSC-21842-1] c 54 N93-17088
- IMPACT STRENGTH**
- High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
- IMPACT TESTING MACHINES**
- Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
- Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225
- Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- IMPACT TESTS**
- Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- IMPACT TOLERANCES**
- High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101
- Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420
- IMPEDANCE**
- Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
- Power supply conditioning circuit
[NASA-CASE-NPO-17233-1-CU] c 33 N88-29095
- Microwave field effect transistor
[NASA-CASE-GSC-12442-2] c 33 N90-20282
- Nonintrusive method and apparatus for monitoring the cure of polymeric materials
[NASA-CASE-LAR-13465-1] c 27 N90-23544
- IMPEDANCE MATCHING**
- Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
- Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
- Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
- Triaxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809
- IMPEDANCE MEASUREMENT**
- High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
- Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
- IMPELLERS**
- Turbomachinery shaft insert
[NASA-CASE-MFS-28345-2] c 37 N89-28842
- IMPLANTATION**
- Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342
- Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
- IMPLANTED ELECTRODES (BIOLOGY)**
- Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
- Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
- Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863
- IMPLOSIONS**
- Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578
- IMPREGNATING**
- Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
- Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
- Continuous fiber thermoplastic prepreg
[NASA-CASE-LAR-14459-1] c 24 N93-24597
- Vacuum powder injector and method of impregnating fiber with powder
[NASA-CASE-LAR-14179-1] c 31 N93-26101
- IMPULSE GENERATORS**
- Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738
- IMPURITIES**
- Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
- Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
- IN-FLIGHT MONITORING**
- System for use in conducting wake investigation for a wing in flight — differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
- INCIDENCE**
- Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
- INCIDENT RADIATION**
- Solar cell assembly — for use under high intensity illumination
[NASA-CASE-LEW-11549-1] c 44 N77-19571
- INCLINATION**
- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029

INCLUSIONS

Method and apparatus for thermographically and quantitatively analyzing a structure for disbands and/or inclusions

[NASA-CASE-LAR-14559-1] c 38 N92-29829

INCOHERENT SCATTERING

Rapidly pulsed, high intensity, incoherent light source

[NASA-CASE-XLE-2529-3] c 33 N74-20859

INDICATING INSTRUMENTS

Missile stage separation indicator and stage initiator

Patent

[NASA-CASE-XLA-00791] c 03 N70-39930

Inductive liquid level detection system Patent

[NASA-CASE-XLE-01609] c 14 N71-10500

Apparatus for the determination of the existence or non-existence of a bonding between two members

Patent

[NASA-CASE-MFS-13686] c 15 N71-18132

Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum

[NASA-CASE-MFS-13130] c 10 N72-17173

Fatigue failure load indicator

[NASA-CASE-LAR-12027-1] c 39 N79-22537

System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation

[NASA-CASE-FRC-11005-1] c 06 N82-16075

Film advance indicator

[NASA-CASE-LAR-12474-1] c 35 N82-26628

Adjustable indicating device for load position

[NASA-CASE-MFS-28008-1] c 35 N85-20300

Fluid leak indicator

[NASA-CASE-MSC-20783-1] c 35 N86-20756

Hollow fiber clinostat for simulating microgravity in cell culture

[NASA-CASE-MFS-28370-1] c 35 N92-31790

INDIUM ALLOYS

Method for attaching a fused-quartz mirror to a conductive metal substrate

[NASA-CASE-MFS-23405-1] c 26 N77-29260

Solar cell collector

[NASA-CASE-LEW-12552-1] c 44 N78-25527

Aluminum alloy

[NASA-CASE-LAR-13924-1-CU] c 26 N89-28621

INDIUM COMPOUNDS

Liquid crystal light valve structures

[NASA-CASE-MSC-20036-1] c 76 N85-33826

INDUCED DRAG

Minimum induced drag airfoil body Patent

[NASA-CASE-XLA-00755] c 01 N71-13410

Minimum induced drag airfoil body Patent

[NASA-CASE-XLA-05828] c 01 N71-13411

INDUCTANCE

Current dependent filter inductance

[NASA-CASE-ERC-10139] c 09 N72-17154

Inductance device with vacuum insulation

[NASA-CASE-LEW-10330-1] c 09 N72-27226

Direct reading inductance meter

[NASA-CASE-NPO-13792-1] c 35 N77-32455

Forback DC-to-DC converter

[NASA-CASE-GSC-13404-1] c 33 N94-15874

INDUCTION

Induction-type metal detector with increased scanning area capability

[NASA-CASE-KSC-11386-1] c 35 N90-22023

INDUCTION HEATING

Induction furnace with perforated tungsten foil shielding

Patent

[NASA-CASE-XLE-04026] c 14 N71-23267

Apparatus for use in the production of ribbon-shaped crystals from a silicon melt

[NASA-CASE-NPO-14297-1] c 33 N81-19389

One-step dual purpose joining technique

[NASA-CASE-LAR-12595-1] c 33 N82-26571

Induction heating gun

[NASA-CASE-LAR-13181-1] c 31 N85-29083

Flexible heating head for induction heating apparatus and method

[NASA-CASE-LAR-14679-2] c 32 N92-31150

Flexible heating head for induction heating

[NASA-CASE-LAR-14418-15-B] c 32 N94-20368

INDUCTION MOTORS

Induction motor control system with voltage controlled oscillator circuit

[NASA-CASE-MFS-21465-1] c 10 N73-32145

Variable frequency inverter for ac induction motors with torque, speed and braking control

[NASA-CASE-MFS-22088-1] c 33 N75-15874

Power factor control system for AC induction motors

[NASA-CASE-MFS-23280-1] c 33 N78-10376

Three phase power factor controller

[NASA-CASE-MFS-25535-1] c 33 N81-12330

Power factor control system for ac induction motors

[NASA-CASE-MFS-23988-1] c 33 N81-27395

Motor power factor controller with a reduced voltage

starter

[NASA-CASE-MFS-25586-1] c 33 N82-11360

Magnetic field control — electromechanical torquing device

[NASA-CASE-MFS-23828-1] c 33 N82-26569

Electrical power generating system

[NASA-CASE-MFS-25302-1] c 33 N83-28319

Triac failure detector

[NASA-CASE-MFS-25607-1] c 33 N83-34190

Control system for an induction motor with energy recovery

[NASA-CASE-MFS-25477-1] c 33 N84-14424

Three phase power factor controller

[NASA-CASE-MFS-25535-2] c 33 N84-22885

Motor power control circuit for ac induction motors

[NASA-CASE-MFS-25323-1] c 33 N84-22886

Coupling an induction motor type generator to ac power lines — making windmill generators compatible with public power lines

[NASA-CASE-MFS-25302-2] c 33 N84-33660

Three-phase power factor controller with induced EMF sensing

[NASA-CASE-MFS-25852-1] c 33 N84-33661

Solar powered actuator with continuously variable auxiliary power control

[NASA-CASE-MFS-25637-1] c 44 N85-21769

Power control for ac motor

[NASA-CASE-MFS-25861-1] c 33 N85-22877

INDUCTORS

Inductive liquid level detection system Patent

[NASA-CASE-XLE-01609] c 14 N71-10500

Vacuum deposition apparatus Patent

[NASA-CASE-XMF-01667] c 15 N71-17647

Constant frequency output two stage induction machine systems Patent

[NASA-CASE-ERC-10065] c 09 N71-27364

Elimination of current spikes in buck power converters

[NASA-CASE-NPO-14505-1] c 33 N81-19393

Improved high power/high frequency inductor

[NASA-CASE-NPO-17830-1-CU] c 33 N91-14539

Forback DC-to-DC converter

[NASA-CASE-GSC-13404-1] c 33 N94-15874

INDUSTRIAL PLANTS

Process for making diamonds

[NASA-CASE-MFS-20698-2] c 15 N73-19457

INDUSTRIAL WASTES

Process of forming catalytic surfaces for wet oxidation reactions

[NASA-CASE-MSC-14831-1] c 25 N78-10225

Process for purification of waste water produced by a Kraft process pulp and paper mill

[NASA-CASE-NPO-13847-2] c 85 N79-17747

Hazardous materials emergency response mobile robot

[NASA-CASE-NPO-18690-1-CU] c 37 N92-34205

INERT ATMOSPHERE

Method for retarding dye fading during archival storage of developed color photographic film — inert atmosphere

[NASA-CASE-MFS-23250-1] c 35 N82-11432

INERTIA

Bidirectional step torque filter with zero backlash characteristic Patent

[NASA-CASE-XGS-04227] c 15 N71-21744

INERTIAL CONFINEMENT FUSION

Method and apparatus for producing gas-filled hollow spheres — target pellets for inertial confinement fusion

[NASA-CASE-NPO-14596-3] c 31 N83-31896

Contactless pellet fabrication

[NASA-CASE-NPO-15592-1] c 71 N84-16940

INERTIAL GUIDANCE

Hermetic sealed vibration damper Patent

[NASA-CASE-MSC-10959] c 15 N71-26243

INERTIAL NAVIGATION

Autonomous navigation system — gyroscopic pendulum for air navigation

[NASA-CASE-ARC-11257-1] c 04 N81-21047

Assured crew return vehicle

[NASA-CASE-MSC-21536-1] c 18 N92-21999

INERTIAL PLATFORMS

Clamping assembly for inertial components Patent

[NASA-CASE-XMS-02184] c 15 N71-20813

Azimuth laying system Patent

[NASA-CASE-XMF-01669] c 21 N71-23289

Temperature compensated digital inertial sensor — circuit for maintaining inertial element of gyroscope or accelerometer at constant position

[NASA-CASE-NPO-13044-1] c 35 N74-15094

Attitude control system

[NASA-CASE-MFS-22787-1] c 15 N77-10113

Rim inertial measuring system

[NASA-CASE-LAR-12052-1] c 18 N81-29152

INERTIAL REFERENCE SYSTEMS

Attitude control system Patent

[NASA-CASE-XGS-04393] c 21 N71-14159

Inertial reference apparatus Patent

[NASA-CASE-XAC-03107] c 23 N71-16098

INFLATABLE SPACECRAFT

Thermal control of space vehicles Patent

[NASA-CASE-XLA-01291] c 33 N70-36617

Passive communication satellite Patent

[NASA-CASE-XLA-00210] c 30 N70-40309

Rotating mandrel for assembly of inflatable devices

Patent

[NASA-CASE-XLA-04143] c 15 N71-17687

Method of making an inflatable panel Patent

[NASA-CASE-XLA-03497] c 15 N71-23052

Orbital escape device Patent

[NASA-CASE-XMS-06162] c 31 N71-28851

INFLATABLE STRUCTURES

Aeroflexible structures

[NASA-CASE-XLA-06095] c 01 N69-39981

Life raft Patent

[NASA-CASE-XMS-00863] c 05 N70-34857

Life preserver Patent

[NASA-CASE-XMS-00864] c 05 N70-36493

Inflatable honeycomb Patent

[NASA-CASE-XLA-00204] c 32 N70-36536

Inflatable radar reflector unit Patent

[NASA-CASE-XMS-00893] c 07 N70-40063

Excessive temperature warning system Patent

[NASA-CASE-XLA-01926] c 14 N71-15620

Inflation system for balloon type satellites Patent

[NASA-CASE-XGS-03351] c 31 N71-16081

Aerodynamic protection for space flight vehicles

Patent

[NASA-CASE-XNP-02507] c 31 N71-17679

Self supporting space vehicle Patent

[NASA-CASE-XLA-00117] c 31 N71-17680

Conforming polisher for aspheric surface of revolution

Patent

[NASA-CASE-XGS-02884] c 15 N71-22705

Method of making inflatable honeycomb Patent

[NASA-CASE-XLA-03492] c 15 N71-22713

Collapsible antenna boom and transmission line

Patent

[NASA-CASE-MFS-20068] c 07 N71-27191

Inflatable tether Patent

[NASA-CASE-XMS-10993] c 15 N71-28936

Inflatable transpiration cooled nozzle

[NASA-CASE-MFS-20619] c 28 N72-11708

Modification of one man life raft

[NASA-CASE-LAR-10241-1] c 54 N74-14845

Emergency space-suit helmet

[NASA-CASE-MSC-10954-1] c 54 N78-18761

Pressure control valve — inflating flexible bladders

[NASA-CASE-ARC-11251-1] c 37 N81-17433

Pneumatic inflatable end effector

[NASA-CASE-MFS-23696-1] c 54 N81-26718

Inflatable device for installing strain gage bridges

[NASA-CASE-FRC-11068-1] c 35 N84-12443

Ballast system for maintaining constant pressure in a glove box

[NASA-CASE-NPO-17786-1-CU] c 35 N90-17104

Inflatable rescue device

[NASA-CASE-MSC-22244-1] c 54 N94-15883

Tetrahedral lander

[NASA-CASE-MSC-22082-1] c 18 N94-20590

INFORMATION

Method and apparatus for filtering visual documents

[NASA-CASE-MSC-22093-1] c 82 N93-22017

INFORMATION FLOW

Hidden Markov models for fault detection in dynamic systems

[NASA-CASE-NPO-18982-1-CU] c 38 N93-30413

INFORMATION RETRIEVAL

Multiple hologram recording and readout system

Patent

[NASA-CASE-ERC-10151] c 16 N71-29131

Dynamic pattern matcher using incomplete data

[NASA-CASE-MSC-21415-1-SB] c 61 N93-18858

INFORMATION SYSTEMS

Dynamic pattern matcher using incomplete data

[NASA-CASE-MSC-21415-1-SB] c 61 N93-18858

INFORMATION THEORY

Dynamic pattern matcher using incomplete data

[NASA-CASE-MSC-21415-1-SB] c

INFRARED IMAGERY

- Broadband optical radiation detector
[US-PATENT-4,262,188] c 74 N83-19597
Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N88-14271
Field induced gap infrared detector
[NASA-CASE-NPO-17526-1-CU] c 35 N91-14588
Laterally stacked Schottky diodes for infrared sensor applications
[NASA-CASE-NPO-17426-1-CU] c 33 N91-21434
INAS hole-immobilized doping superlattice
long-wave-infrared detector
[NASA-CASE-NPO-17880-1-CU] c 76 N93-11056
Long wavelength infrared detector
[NASA-CASE-NPO-17543-2-CU] c 35 N93-19387

INFRARED IMAGERY

- Off-surface infrared flow visualization
[NASA-CASE-LAR-14568-1] c 74 N93-22037

INFRARED INSTRUMENTS

- Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373

INFRARED INTERFEROMETERS

- Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395

INFRARED LASERS

- Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029

INFRARED PHOTOMETRY

- Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16607-1-CU] c 76 N88-14836
Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16617-2-CU] c 35 N90-17118

INFRARED RADIATION

- High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N86-33127
Lunar radiator shade
[NASA-CASE-MSC-21868-1] c 54 N92-21589
Off-surface infrared flow visualization
[NASA-CASE-LAR-14568-1] c 74 N93-22037

INFRARED REFLECTION

- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186

INFRARED SCANNERS

- Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475

INFRARED SPECTRA

- Diatom infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
Gas particle radiator
[NASA-CASE-LEW-14297-1] c 35 N89-12048

INFRARED SPECTROMETERS

- Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635

INFRARED SPECTROSCOPY

- Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348

INFRARED TELESCOPES

- Optical system with reflective baffles
[NASA-CASE-ARC-11502-1] c 74 N86-20125

INFRASONIC FREQUENCIES

- Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363

INHIBITORS

- Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228

INITIATORS (EXPLOSIVES)

- Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599
Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
Four-terminal electrical testing device --- initiator bridgeway resistance
[NASA-CASE-MSC-21166-1] c 35 N87-25555

INJECTION

- Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523

INJECTION LASERS

- Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305

INJECTORS

- Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809
Coaxial injector for reaction motors
[NASA-CASE-NPO-11095] c 15 N72-25455
Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
Method of injecting fluid propellants into a rocket combustion chamber
[NASA-CASE-LEW-14846-2] c 20 N91-26200
Extended temperature range rocket injector
[NASA-CASE-LEW-14846-1] c 20 N92-10054
Liquid fuel injection elements for rocket engines
[NASA-CASE-MFS-28547-1] c 20 N94-20370

INKS

- Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930

INLET FLOW

- High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431
Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
Nozzle diffuser for use with an open test section of a wind tunnel
[NASA-CASE-LAR-14424-1-SB] c 09 N93-25996
Gas storage and recovery system
[NASA-CASE-MSC-22091-1] c 31 N93-28136

INLET NOZZLES

- Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
Nozzle diffuser for use with an open test section of a wind tunnel
[NASA-CASE-LAR-14424-1-SB] c 09 N93-25996

INLET PRESSURE

- Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431

INOCULATION

- Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502

INORGANIC COATINGS

- Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233

INORGANIC COMPOUNDS

- Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337
Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910

INORGANIC PEROXIDES

- Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162

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- Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806
Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814

INPUT/OUTPUT ROUTINES

- Analog to digital converter
[NASA-CASE-NPO-13385-1] c 33 N76-18345

INSERTION

- Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836

INSERTION LOSS

- Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057

INSERTS

- Method of repairing hidden leaks in tubes
[NASA-CASE-MFS-19796-1] c 37 N86-32736
Turbomachinery shaft insert
[NASA-CASE-MFS-28345-2] c 37 N89-28842
Improved method and apparatus for Mach number change in wind tunnel
[NASA-CASE-LAR-13548-1] c 09 N91-28175
Blind fastening apparatus
[NASA-CASE-LAR-14542-1] c 37 N93-22384

INSPECTION

- Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
Apparatus and method for inspecting a bearing ball
[NASA-CASE-MFS-25833-1] c 35 N86-32698
Method of radiographic inspection of wooden members
[NASA-CASE-LAR-13724-1] c 38 N90-23756
Tissue simulating gel for medical research
[NASA-CASE-LAR-14036-1] c 27 N91-13562

INSTALLING

- Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
Automatic system for installation and replacement of Space Station components
[NASA-CASE-LEW-14906-1] c 37 N93-12203

INSTRUMENT COMPENSATION

- Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1CU] c 74 N86-33138

INSTRUMENT ERRORS

- Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239

INSTRUMENT FLIGHT RULES

- Controlled visibility device for an aircraft Patent
[NASA-CASE-XFF-04147] c 11 N71-10748

INSTRUMENT ORIENTATION

- Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289

SUBJECT INDEX

- Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
- Solar energy powered heliostrop
[NASA-CASE-GSC-10945-1] c 21 N72-31637
- INSTRUMENT PACKAGES**
- Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
- Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
- Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
- Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
- Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- INSTRUMENTS**
- Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
- Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
- Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
- Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- Scientific experiment flexible mount
[NASA-CASE-MS-12372-1] c 31 N72-25842
- Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
- Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
- INSULATED STRUCTURES**
- Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935
- INSULATION**
- Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444
- Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226
- Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MS-14339-1] c 05 N75-24716
- Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
- Two-component ceramic coating for silica insulation
[NASA-CASE-MS-14270-1] c 27 N76-22377
- Three-component ceramic coating for silica insulation
[NASA-CASE-MS-14270-2] c 27 N76-23426
- Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
- Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
- Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- Cryogenic insulation system
[NASA-CASE-LAR-13506-1] c 27 N89-12741
- Pressure rig for repetitive casting
[NASA-CASE-LAR-14050-1] c 31 N90-21216
- High temperature insulation barrier composite
[NASA-CASE-MFS-29241-1] c 24 N90-23480
- Toughened uni-piece fibrous insulation
[NASA-CASE-ARC-11888-1] c 24 N92-16026
- Sprayable lightweight ablative coating
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- Whiskerless Schottky diode
[NASA-CASE-GSC-13063-2-CU] c 33 N92-16197
- INSULATORS**
- Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
- High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
- Process for lowering the dielectric constant of polyimides using diamine acid additives
[NASA-CASE-LAR-13902-1] c 27 N90-23546
- Enhanced single layer multi-color or luminescent display with coactivators
[NASA-CASE-LAR-14181-1] c 76 N91-21911
- Single layer multi-color luminescent display and method of making
[NASA-CASE-LAR-13616-3] c 74 N92-29158
- A method of making a single layer multi-color luminescent display
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[NASA-CASE-XLE-00388] c 28 N70-34788
- The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
- Fluid sampling device
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- Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
- Reciprocating engines
[NASA-CASE-MS-16239-1] c 37 N81-32510
- Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178
- Solid sorbent air sampler
[NASA-CASE-MS-20653-1] c 35 N86-26595
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- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-2-SB] c 27 N90-21177
- INTEGRATED CIRCUITS**
- Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
- Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
- Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464
- Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205
- Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MS-13907-1] c 10 N73-26230
- Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
- Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951
- Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
- Four phase logic systems --- including integrated microcircuits
[NASA-CASE-MS-14240-1] c 33 N75-14957
- Integrable power gyrator --- with Z-matrix design using parallel transistors
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- Cross correlation anomaly detection system
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- Complementary DMOS-VMOS integrated circuit structure
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- Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332
- Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884
- Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187
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- Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N87-14594
- Ion beam sputter etching
[NASA-CASE-LEW-13899-1] c 31 N87-21160
- Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N88-14271
- Integrated circuit reliability testing
[NASA-CASE-NPO-17393-1-CU] c 33 N89-29679
- Universal nondestructive mm-wave integrated circuit test fixture
[NASA-CASE-LEW-14746-1] c 33 N91-14552
- High-gain AlGaAs/GaAs double heterojunction Darlington phototransistors for optical neural networks
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[NASA-CASE-NPO-17573-2-CU] c 33 N92-16196
- GaAs-based optoelectronic neurons
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- Digital parallel processor array for optimum path planning
[NASA-CASE-NPO-18727-1-CU] c 62 N93-28427
- Wavelength-division multiplexed optical integrated circuit with vertical diffraction grating
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- Method for producing a hybridization of detector array and integrated circuit for readout
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- Electro-optic resonant phase modulator
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- Operational integrator Patent
[NASA-CASE-NPO-10230] c 09 N71-12520
- Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084
- Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
- Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669
- High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
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- Mechanical strain isolator mount
[NASA-CASE-LAR-13580-1] c 37 N91-21541
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- Method of intercalating large quantities of fibrous structures
[NASA-CASE-LEW-15077-1] c 24 N92-16025
- Apparatus for intercalating large quantities of fibrous structures
[NASA-CASE-LEW-15077-2] c 24 N93-29609
- INTERFACES**
- Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793
- Expandable pallet for space station interface attachments
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- Laser Doppler velocimeter multiplexer interface for simultaneous measured events
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- Space module assembly apparatus with docking alignment flexibility and restraint
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- Expandable pallet for space station interface attachments
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- Printer port interface
[NASA-CASE-LAR-13950-1] c 60 N92-30541
- INTERFACIAL TENSION**
- Passive propellant system
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- Sphere forming method and apparatus
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- Surface tension confined liquid nitrogen cooler
[NASA-CASE-GSC-13112-1] c 31 N89-29578
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- Cryogenic anti-friction bearing with inner race
[NASA-CASE-MFS-28384-1] c 37 N90-27112
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- Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
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- Incremental motion drive system Patent
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- Laser grating interferometer Patent
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- Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
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- Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463
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- Apparatus for providing a servo drive signal in a high-speed stepping interferometer
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- Velocity servo for continuous scan Fourier interference spectrometer
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[NASA-CASE-ARC-11354-1] c 74 N83-21949
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[NASA-CASE-NPO-15617-1] c 35 N87-21304
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[NASA-CASE-NPO-17913-1-CU] c 74 N92-22034
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[NASA-CASE-LEW-14996-1] c 74 N93-11058
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[NASA-CASE-NPO-13862-1] c 35 N79-10391
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[NASA-CASE-NPO-15865-1] c 74 N85-34629
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[NASA-CASE-NPO-17784-1-CU] c 74 N91-13998
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[NASA-CASE-NPO-17913-1-CU] c 74 N92-22034
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[NASA-CASE-LAR-12065-2] c 24 N81-33235
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[NASA-CASE-NPO-12072] c 28 N72-22772
System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457
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[NASA-CASE-NPO-13671-1] c 37 N77-31497
Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405
Indicated mean-effective pressure instrument
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[NASA-CASE-XLA-01584] c 14 N71-23269

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595

Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502

Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332

Vitro-violet process for producing flame resistant polyamides and products produced thereby — protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446

Method of measuring field funneling and range straggling in semiconductor charge-collecting junctions
[NASA-CASE-NPO-16584-1-CU] c 76 N86-25269

Methyl substituted polyimides containing carbonyl and ether connecting groups
[NASA-CASE-LAR-14351-1] c 27 N92-33015

Extra-corporeal blood access, sensing, and radiation methods and apparatuses
[NASA-CASE-MSC-21775-1] c 52 N94-20372

IRRIGATION
Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701

ISOLATION
High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146

Ballast system for maintaining constant pressure in a glove box
[NASA-CASE-NPO-17786-1-CU] c 35 N90-17104

Active thermal isolation for temperature responsive sensors
[NASA-CASE-LAR-14612-1] c 34 N92-29954

ISOLATORS
Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781

Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402

Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350

Low-loss, high-isolation, fiber-optic isolator
[NASA-CASE-NPO-17207-1-CU] c 74 N88-25304

Mechanical strain isolator mount
[NASA-CASE-LAR-13580-1] c 37 N91-21541

Active thermal isolation for temperature responsive sensors
[NASA-CASE-LAR-14612-1] c 34 N92-29954

ISOPROPYL ALCOHOL
Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102

ISOPROPYL COMPOUNDS
Polyimides containing amide and perfluoroisopropylidene connecting groups
[NASA-CASE-LAR-14608-1] c 27 N94-20374

ISOTHERMAL LAYERS
Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353

ISOTHERMAL PROCESSES
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366

ISOTOPE SEPARATION
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477

Isotope separation using tuned laser and electron beam
[NASA-CASE-NPO-16907-1-CU] c 25 N88-24732

ITERATION
Neural network training by integration of adjoint systems of equations forward in time
[NASA-CASE-NPO-18586-1-CU] c 63 N93-17276

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JACOBI MATRIX METHOD
Configuration control of seven-degree-of-freedom arms
[NASA-CASE-NPO-18607-1-CU] c 37 N92-23553

JET AIRCRAFT
Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788

Multiple pure tone elimination strut assembly — air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800

JET AIRCRAFT NOISE
Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332

Noise suppressor — for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418

Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218

Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614

Cascade plug nozzle — for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117

Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884

Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873

Jet mixer noise suppressor using acoustic feedback
[NASA-CASE-LEW-15170-1] c 71 N93-28953

JET AMPLIFIERS
Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466

Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741

JET BLAST EFFECTS
Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874

JET CONTROL
Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938

JET ENGINES
Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563

Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429

Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493

Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515

Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270

Cascade plug nozzle — for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117

The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154

Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544

Electrical servo actuator bracket — fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483

Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749

JET EXHAUST
Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490

Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089

Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298

JET FLAPS
Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332

JET FLOW
Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292

System for venting gas from a liquid storage tank
[NASA-CASE-MSC-21253-1] c 31 N90-20254

JET MIXING FLOW
Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199

JET NOZZLES
Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466

Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629

Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093

JET PROPULSION
Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121

JET PUMPS
Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182

JET THRUST

- Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
- Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583
- Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- Method and system for monitoring and displaying engine performance parameters
[NASA-CASE-LAR-14049-1] c 07 N89-23466

JETTISON SYSTEMS

- Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675
- Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853
- Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 01 N83-35992

JIGS

- Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
- Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447

JOINING

- Integrated gas turbine engine nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096

JOINTS (ANATOMY)

- Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
- Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
- Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
- Orthotic arm joint --- for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616
- Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
- Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651
- Automatic locking orthotic knee device
[NASA-CASE-MFS-28633-1] c 54 N94-20493

JOINTS (JUNCTIONS)

- Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
- Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
- Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
- Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
- Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
- Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951
- Diffusion welding in air --- solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-LEW-11387-1] c 37 N74-18128
- Bonded joint and method --- for reducing peak shear stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064
- Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
- Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326
- Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685
- Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372
- Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
- Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676
- Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
- Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363
- Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673
- Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987

Mechanical end joint system for structural column elements

- [NASA-CASE-LAR-12482-1] c 37 N82-32732
- Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336
- Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
- Fluid leak indicator
[NASA-CASE-MSC-20783-1] c 35 N86-20756
- Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N86-27630
- Elbow and knee joint for hard space suits
[NASA-CASE-ARC-11610-1] c 54 N86-28619
- Shoulder and hip joint for hard space suits
[NASA-CASE-ARC-11543-1] c 54 N86-28620
- Shoulder and hip joints for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N86-29507
- Foldable self-erecting joint
[NASA-CASE-MSC-20635-1] c 18 N87-14373
- Preloaded space structural coupling joints
[NASA-CASE-LAR-13489-1] c 18 N87-27713
- Bearing-bypass material system test
[NASA-CASE-LAR-13458-1] c 35 N88-23967
- Method of inseting predesigned disbond areas into composite laminates
[NASA-CASE-LAR-13225-1] c 24 N90-25197
- Mechanical end joint system for connecting structural column elements
[NASA-CASE-LAR-14465-1] c 37 N91-14614
- Multi-fingered robotic hand
[NASA-CASE-NPO-15959-2] c 37 N91-14616
- Compliant joint
[NASA-CASE-GSC-13153-1] c 37 N91-17387
- Robot cable-compliant devices
[NASA-CASE-GSC-13127-1] c 37 N91-17388
- Apparatus for joining trusses
[NASA-CASE-MFS-28545-1] c 31 N91-25306
- A method and apparatus for indicating disbands in joint regions
[NASA-CASE-LAR-14626-1] c 38 N92-17859
- Pressure vessel flex joint
[NASA-CASE-MSC-21748-1] c 37 N92-21727
- Double-V block fingers with cruciform recess
[NASA-CASE-GSC-13356-1] c 37 N92-24243
- Method and apparatus for preloading a joint by remotely operable means
[NASA-CASE-MSC-21940-1] c 37 N92-30540
- Noncircular rolling joints for vibrational reduction in slewing maneuvers
[NASA-CASE-LAR-14515-1-CU] c 37 N92-33031
- Flexible robotic arm
[NASA-CASE-GSC-13161-1] c 37 N92-33634
- Double-V block fingers with cruciform recess
[NASA-CASE-GSC-13356-2] c 37 N93-17625
- Method and apparatus for preloading a joint by remotely operable means
[NASA-CASE-MSC-21940-1] c 37 N93-20120
- Robot friendly probe and socket assembly
[NASA-CASE-MSC-22028-1] c 37 N93-22007
- Quick acting gimbal joint
[NASA-CASE-MSC-21918-1] c 37 N93-23076
- Bladder operated robotic joint
[NASA-CASE-MFS-28682-1] c 27 N94-20359

JOSEPHSON JUNCTIONS

- Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332
- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- Planar thin film SQUID with integral flux concentrator
[NASA-CASE-MFS-28282-1] c 76 N88-29602
- An improved SNS superconducting junction with weak link barrier and method of producing
[NASA-CASE-NPO-18552-1-CU] c 33 N92-24246
- Epitaxial heterojunctions of oxide semiconductors and metals on high temperature superconductors
[NASA-CASE-NPO-18483-1-CU] c 76 N93-15151

JOULE-THOMSON EFFECT

- Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
- Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897
- Joule Thomson refrigerator
[NASA-CASE-NPO-17143-1-CU] c 31 N89-14351
- Multicomponent gas sorption Joule-Thomson refrigeration
[NASA-CASE-NPO-17569-1-CU] c 31 N92-15203

JOURNAL BEARINGS

- Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620

- Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N72-11388
- Journal bearings --- for lubricant films
[NASA-CASE-LEW-11076-1] c 37 N74-21061
- Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921
- Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
- Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461
- Compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N86-19606

JUNCTION DIODES

- Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10384-2] c 33 N75-25041
- Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
- Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
- High band gap 2-6 and 3-5 tunneling junctions for silicon multijunction solar cells
[NASA-CASE-NPO-16526-1CU] c 44 N87-17399

JUNCTION TRANSISTORS

- Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
- Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446
- Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372
- Floating emitter solar cell
[NASA-CASE-NPO-16467-1-CU] c 33 N87-23879

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KALMAN FILTERS

- Systolic VLSI array for implementing the Kalman filter algorithm
[NASA-CASE-NPO-17108-1-CU] c 33 N89-28713
- Multi-stage estimation of received carrier signal parameters under very high dynamic conditions of the receiver
[NASA-CASE-NPO-17911-1-CU] c 32 N90-27016

KETONES

- Polyenamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1-CU] c 27 N87-22847
- Polyenamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-2-CU] c 23 N89-12667
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-4] c 23 N91-25185
- Low dielectric fluorinated poly(phenylene ether ketone) film and coating
[NASA-CASE-LAR-13992-1-CU] c 23 N91-27220

KEYING

- High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
- Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1-SB] c 54 N88-24163

KIDNEY DISEASES

- Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236

KIDNEYS

- Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913

KINEMATICS

- Method and apparatus for configuration control of redundant robots
[NASA-CASE-NPO-17801-1-CU] c 37 N91-21544
- Configuration control of seven-degree-of-freedom arms
[NASA-CASE-NPO-18607-1-CU] c 37 N92-23553
- New kinematic functions for redundancy resolution using configuration control
[NASA-CASE-NPO-18608-1-CU] c 63 N93-17275

KINETIC ENERGY

- Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
- Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
- Energy dissipator
[NASA-CASE-MSC-21555-1] c 37 N93-23075

KINETIC FRICTION

- Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413

KINETICS

- Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
- Kinetic tetrazolium microtiter assay
[NASA-CASE-MSC-21979-1] c 51 N93-17049

KITS

- Pressure wall patch
[NASA-CASE-MFS-28724-1] c 18 N93-17061

KNEE (ANATOMY)

- Elbow and knee joint for hard space suits
[NASA-CASE-ARC-11610-1] c 54 N86-28619
- Automatic locking orthotic knee device
[NASA-CASE-MFS-28633-1] c 54 N94-20493

KNOWLEDGE BASES (ARTIFICIAL INTELLIGENCE)

- Parallel inferencing method and apparatus for rule-based expert systems
[NASA-CASE-NPO-18004-1-CU] c 60 N93-29504

KNOWLEDGE REPRESENTATION

- Discrete event simulation tool for analysis of qualitative models of continuous processing systems
[NASA-CASE-MSC-21465-1] c 61 N91-14741

KRAFT PROCESS (WOODPULP)

- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747

KRYPTON

- Krypton based adsorption type cryogenic refrigerator
[NASA-CASE-NPO-17334-1-CU] c 31 N88-23917

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LABORATORY EQUIPMENT

- Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
- Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
- Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284
- Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
- Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
- Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
- Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677
- Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493
- The 2 deg/90 deg laboratory scattering photometer -- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874
- Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
- Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- Laboratory glassware rack for seismic safety
[NASA-CASE-ARC-11422-1] c 35 N86-20751
- Multi-path peristaltic pump
[NASA-CASE-MSC-20907-1] c 37 N87-18818
- Hanging drop crystal growth apparatus and method
[NASA-CASE-MFS-28206-1-SB] c 76 N90-23242

LACQUERS

- Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
- Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267

LADDERS

- Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N84-27974

LAMBERT SURFACE

- A reference standard for bidirectional reflection distribution function and bidirectional transmission distribution function measurement
[NASA-CASE-MFS-28183-1] c 74 N89-13253

LAMINAR BOUNDARY LAYER

- Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N89-12551
- Passive laminar flow control of crossflow vorticity
[NASA-CASE-LAR-13563-1] c 34 N91-23410
- Swept wing attachment line contamination fence
[NASA-CASE-LAR-13400-1] c 02 N93-22015
- Method of reducing drag in aerodynamic systems
[NASA-CASE-LEW-14791-1] c 02 N94-10672

LAMINAR FLOW

- Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
- Detection of the transitional layer between laminar and turbulent flow areas on a wing surface -- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178
- Method and apparatus for detecting laminar flow separation and reattachment
[NASA-CASE-LAR-13952-1-SB] c 34 N90-19534
- Method of forming a multiple layer dielectric and a hot film sensor therewith
[NASA-CASE-LAR-13678-1] c 76 N90-24168
- Method and apparatus for detecting laminar flow separation and reattachment
[NASA-CASE-LAR-13952-2-SB] c 34 N91-31596
- Atmospheric pressure flow reactor: Gas phase chemical kinetics under tropospheric conditions without wall effects
[NASA-CASE-MSC-21384-1] c 34 N92-16243
- Active thermal isolation for temperature responsive sensors
[NASA-CASE-LAR-14612-1] c 34 N92-29954
- Boundary layer relaminarization device
[NASA-CASE-LAR-14470-1] c 02 N93-11876

LAMINAR FLOW AIRFOILS

- Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793

LAMINATES

- Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
- Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
- Reinforced polyquinoxaline gasket and method of preparing the same -- resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21364-1] c 37 N74-18126
- Method of laminating structural members
[NASA-CASE-XLA-11028-1] c 24 N74-27035
- Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
- Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188
- Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- Composite lamination method
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- Lightweight electrically-powered flexible thermal laminate -- made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331
- Method for alleviating thermal stress damage in laminates -- metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
- Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
- Method of tracing contour patterns for use in making gradual contour resin matrix composites
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- Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 76 N83-34796
- High temperature polyimide film laminates and process for preparation thereof
[NASA-CASE-LAR-13384-1] c 27 N86-20561
- Laminate comprising fibers embedded in cured amine terminated bis-imide
[NASA-CASE-ARC-11421-3] c 24 N86-25416
- Fire and heat resistant laminating resins based on maleimide and citraconimide substituted 1,2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N87-23751
- Method of forming a multiple layer dielectric and a hot film sensor therewith
[NASA-CASE-LAR-13678-1] c 76 N90-24168
- Method of inseting predesigned disbond areas into composite laminates
[NASA-CASE-LAR-13225-1] c 24 N90-25197
- Method of fabricating composite structures
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Helmet of a laminate construction of polycarbonate and polysulfone polymeric material
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Method and apparatus for thermographically and quantitatively analyzing a structure for disbands and/or inclusions

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Low pressure process for continuous fiber reinforced polyamic acid resin matrix composite laminates
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Shear sensitive monomer-polymer laminate structure and method of using same
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[NASA-CASE-FRC-11013-1] c 43 N81-17499

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Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326

Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619

Full color hybrid display for aircraft simulators -- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083

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Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159

Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160

Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654

Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825

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[NASA-CASE-XMF-02108] c 31 N70-36845

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[NASA-CASE-XMF-01045] c 15 N70-40354

Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589

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[NASA-CASE-LAR-11695-2] c 37 N81-24443

Tetrahedral lander
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Tetrahedral lander
[NASA-CASE-MSC-22082-1] c 18 N94-20590

LANDING MODULES

Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354

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[NASA-CASE-XLA-00493] c 11 N70-34786

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Assured crew return vehicle
[NASA-CASE-MSC-21536-1] c 18 N92-21999

LANTHANUM COMPOUNDS

Stabilized lanthanum sulphur compounds -- thermoelectric materials
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- Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 37 N86-25789
- Latching mechanism for deployable/re-stowable columns useful in satellite construction
[NASA-CASE-LAR-13169-1] c 37 N86-25791
- Measurement apparatus and procedure for the determination of surface emissivities
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- Deployable geodesic truss structure
[NASA-CASE-LAR-13113-1] c 31 N87-25492
- Preloaded space structural coupling joints
[NASA-CASE-LAR-13489-1] c 18 N87-27713
- Space spider crane
[NASA-CASE-LAR-13411-1-SB] c 18 N88-23828
- Mobile remote manipulator system for a tetrahedral truss
[NASA-CASE-MSC-20985-1] c 18 N88-26398
- Antenna surface contour control system
[NASA-CASE-LAR-13798-1] c 32 N89-25363
- Clevis joint for deployable space structures
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- Torsional suspension system for testing space structures
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- Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] c 18 N91-27199
- LASER ALTIMETERS**
Sideloading laser altimeter for a flight simulator
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- LASER ANNEALING**
Enhanced fatigue and retention in ferroelectric thin film memory capacitors by post-top electrode anneal treatment
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- LASER APPLICATIONS**
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- Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
- Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
- Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
- Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
- Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- Method of and apparatus for measuring temperature and pressure — atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- Laser activated MTOS microwave device
[NASA-CASE-NPO-16112-1] c 33 N86-19516
- Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 35 N86-25753
- High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N87-14971
- Multiplex electric discharge gas laser system
[NASA-CASE-NPO-16433-1] c 36 N87-23961
- Laser schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N87-25862
- Isotope separation using tuned laser and electron beam
[NASA-CASE-NPO-16907-1-CU] c 25 N88-24732
- Optically controlled welding system
[NASA-CASE-MFS-29291-1] c 37 N89-12868
- Noncontact temperature pattern measuring device
[NASA-CASE-NPO-17824-1-CU] c 36 N90-17132
- Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-2-SB] c 25 N90-20154
- Electrostatically suspended rotor for angular encoder
[NASA-CASE-MFS-28294-1] c 31 N91-14508
- Optical joint correlator for real-time image tracking and retinal surgery
[NASA-CASE-MSC-21509-1] c 74 N91-25840
- Method of remotely characterizing thermal properties of a sample
[NASA-CASE-LAR-13508-3-CU] c 09 N93-11057
- Multiperiod-grating surface-emitting lasers
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- LASER BEAMS**
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- Apparatus for precision focussing and positioning of a beam waist on a target
[NASA-CASE-ARC-11916-1-SB] c 74 N92-16811
- Method for advanced material characterization by laser induced eddy current imaging
[NASA-CASE-GSC-13386-1] c 38 N92-29154
- Sample positioning in microgravity
[NASA-CASE-NPO-18448-1-CU] c 29 N92-30083
- Quantum well, beam deflecting surface emitting lasers
[NASA-CASE-NPO-18243-1-CU] c 36 N93-13418
- Sample positioning in microgravity
[NASA-CASE-NPO-18448-1-CU] c 29 N93-24600
- LASER CAVITIES**
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[NASA-CASE-GSC-12237-1] c 36 N80-14384
- Laser Resonator
[NASA-CASE-GSC-12565-1] c 36 N84-14509
- Long gain length solar pumped box laser
[NASA-CASE-LAR-13256-1] c 36 N86-29204
- Laser with optically driven Q-switch
[NASA-CASE-NPO-18470-1-CU] c 36 N94-15932
- LASER DOPPLER VELOCIMETERS**
Dual wavelength scanning Doppler velocimeter — without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783
- Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
- Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
- Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
- Optical scanner — laser doppler velocimeters
[NASA-CASE-LAR-11711-1] c 74 N78-17866
- Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349
- Laser Doppler velocity simulator — to induce frequency shift
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- Direction sensitive laser velocimeter — determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422
- Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712
- Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561
- Auto covariance computer
[NASA-CASE-LAR-12968-1] c 60 N86-21154
- Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N86-32697
- Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N87-14669
- Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N87-17026
- Dual mode laser velocimeter
[NASA-CASE-ARC-11634-1] c 36 N88-14350
- Laser Doppler velocimeter multiplexer interface for simultaneous measured events
[NASA-CASE-ARC-11536-1] c 33 N89-14384
- Frequency domain laser velocimeter signal processor
[NASA-CASE-LAR-13552-1-CU] c 33 N89-14385
- Three-dimensional laser velocimeter simultaneity detector
[NASA-CASE-ARC-11876-1] c 36 N90-25340
- Laser velocimeter for near-surface measurements
[NASA-CASE-ARC-11917-1] c 35 N91-15520
- Vaporizing particle velocimeter
[NASA-CASE-LAR-14685-1] c 02 N92-34172
- Output optics for laser velocimeters
[NASA-CASE-ARC-11889-1-SB] c 74 N94-23309
- LASER DRILLING**
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- LASER FUSION**
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- LASER GYROSCOPES**
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[NASA-CASE-NPO-16030-1] c 36 N84-25037
- LASER HEATING**
Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
- Method and apparatus for shaping and enhancing acoustical levitation forces
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- LASER INTERFEROMETRY**
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[NASA-CASE-ARC-11354-1] c 74 N83-21949
- LASER MATERIALS**
Laser head for simultaneous optical pumping of several dye lasers — with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- LASER MODE LOCKING**
Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
- Dually mode locked Nd:YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- Length controlled stabilized mode-lock Nd:YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499
- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681
- Method and circuit for controlling the evolution time interval of a laser output pulse
[NASA-CASE-LAR-13772-1] c 36 N92-31788
- LASER MODES**
Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
- Aberration correction of unstable resonators
[NASA-CASE-NPO-18662-1-CU] c 74 N93-28428
- LASER OUTPUTS**
Method and apparatus for wavelength tuning of liquid lasers
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- Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
- Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
- Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
- Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
- Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
- Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
- Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
- Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391
- Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
- Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
- Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- Dually mode locked Nd:YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- Laser head for simultaneous optical pumping of several dye lasers — with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
- Optical noise suppression device and method — laser light exposing film
[NASA-CASE-MSC-12640-1] c 74 N76-31998
- Length controlled stabilized mode-lock Nd:YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499
- Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
- Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- High power metallic halide laser — amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305

- Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N84-22929
- Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944
- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629
- Projection lens scanning laser velocimeter system
[NASA-CASE-ARC-11547-1] c 36 N87-17026
- Multiplex electric discharge gas laser system
[NASA-CASE-NPO-16433-1] c 36 N87-23961
- Magnetically switched power supply system for lasers
[NASA-CASE-NPO-16402-2] c 33 N88-24862
- Method and circuit for shaping laser output pulses
[NASA-CASE-LAR-14203-1] c 36 N89-28817
- Laser velocimeter for near-surface measurements
[NASA-CASE-ARC-11917-1] c 35 N91-15520
- Hanging drop crystal growth apparatus
[NASA-CASE-MFS-26061-1] c 76 N91-16815
- Cladding for transverse-pumped solid-state laser
[NASA-CASE-NPO-17355-1-CU] c 36 N91-17360
- Fiber optic sensing system
[NASA-CASE-LEW-14795-1] c 74 N91-21871
- Edge technique for measurement of laser frequency shifts including the Doppler shift
[NASA-CASE-GSC-13343-1] c 36 N91-28557
- Method for advanced material characterization by laser induced eddy current imaging
[NASA-CASE-GSC-13386-1] c 38 N92-29154
- Method and circuit for controlling the evolution time interval of a laser output pulse
[NASA-CASE-LAR-13772-1] c 36 N92-31788
- Multiplex-grating surface-emitting lasers
[NASA-CASE-NPO-17763-1-CU] c 36 N93-14703
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[NASA-CASE-NPO-18386-1-CU] c 36 N93-18277
- Doppler shift compensation system for laser transmitters and receivers
[NASA-CASE-GSC-13194-1] c 36 N93-18287
- Burst-by-burst laser frequency monitor
[NASA-CASE-NPO-18596-1-CU] c 36 N93-28132
- Laser with optically driven Q-switch
[NASA-CASE-NPO-18470-1-CU] c 36 N94-15932

LASER PLASMAS

- Continuous plasma laser — method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416

LASER POWER BEAMING

- Long gain length solar pumped box laser
[NASA-CASE-LAR-13256-1] c 36 N86-29204
- Method for remotely powering a device such as a lunar rover
[NASA-CASE-LAR-14789-1] c 37 N94-20587

LASER PUMPING

- Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
- Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
- Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- Tm,Ho:YLF laser end-pumped by a semiconductor diode laser array
[NASA-CASE-NPO-17282-1-CU] c 36 N91-15528
- Cladding for transverse-pumped solid-state laser
[NASA-CASE-NPO-17355-1-CU] c 36 N91-17360
- Tunable CW diode-pumped Tm,Ho:YLF laser operating at or near room temperature
[NASA-CASE-NPO-18611-1-CU] c 36 N93-30415

LASER RANGE FINDERS

- Laser measuring system for incremental assemblies — measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396
- Range and range rate system
[NASA-CASE-MSC-20867-1] c 36 N88-24958

LASER RANGER/TRACKER

- Method and apparatus for aligning a laser beam projector
[NASA-CASE-NPO-11087] c 23 N71-29125

LASER SPECTROMETERS

- Method and apparatus for enhancing laser absorption sensitivity
[NASA-CASE-NPO-16567-1-CU] c 36 N87-28006

LASER SPECTROSCOPY

- Stark effect spectrophone for continuous absorption spectra monitoring — a technique for gas analysis
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- Optical scanner — laser doppler velocimeters
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- Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
- Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
- Optical frequency waveguide Patent
[NASA-CASE-HQN-10541-1] c 07 N71-26291
- Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410
- Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
- A technique for breaking ice in the path of a ship
[NASA-CASE-LAR-10815-1] c 16 N72-22520
- Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
- Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
- Short range laser obstacle detector — for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145
- Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091
- Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652
- Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
- Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
- Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
- Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- Method and apparatus for splitting a beam of energy — optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848
- Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
- Method of and apparatus for double-exposure holographic interferometry
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- Method and apparatus for coating substrates using a laser
[NASA-CASE-LEW-13526-1] c 36 N84-22944
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N84-28065
- Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N87-23960
- Magnetically switched power supply system for lasers
[NASA-CASE-NPO-16402-2] c 33 N88-24862
- Three-dimensional laser velocimeter simultaneity detector
[NASA-CASE-ARC-11876-1] c 36 N90-25340
- Matching optics for Gaussian beams
[NASA-CASE-ARC-11892-1-SB] c 74 N92-16810
- Laser optical disk position encoder with active heads
[NASA-CASE-GSC-13175-1] c 74 N92-29133
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- Vortex-lift roll-control device
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- Process for preparation of large-particle-size monodisperse latexes
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[NASA-CASE-XMS-01240] c 05 N70-35152

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[NASA-CASE-XMS-09632-1] c 05 N71-11203

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[NASA-CASE-MSC-12243-1] c 05 N71-24728

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- [NASA-CASE-LAR-13963-1] c 76 N90-24150

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Photosensitive device to detect bearing deviation Patent

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[NASA-CASE-MS-C-12293-1] c 14 N72-27411
Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463
Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
Very high intensity light source using a cathode ray tube — electron beams
[NASA-CASE-XNP-01296] c 33 N75-27250
Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318
Uniform variable light source
[NASA-CASE-NPO-11429-1] c 74 N77-21941
Radiation sensitive area detection device and method
[NASA-CASE-MFS-28563-1] c 35 N91-25388
Transversely polarized source cladding for an optical fiber
[NASA-CASE-LAR-14652-1-SB] c 74 N93-22039
A quality monitor and monitoring technique employing optically stimulated electron emission
[NASA-CASE-LAR-15063-1] c 38 N93-30414
Linear encoding device
[NASA-CASE-GSC-13562-1] c 61 N94-15703
Laser with optically driven Q-switch
[NASA-CASE-NPO-18470-1-CU] c 36 N94-15932

LIGHT TRANSMISSION

- Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042
Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
Transmitting and reflecting diffuser — for ultraviolet light
[NASA-CASE-LAR-10385-2] c 70 N74-13436
Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950
Transmitting and reflecting diffuser — using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879
Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
Light transmitting window assembly
[NASA-CASE-MS-C-18417-1] c 74 N85-29750
Low-loss, high-isolation, fiber-optic isolator
[NASA-CASE-NPO-17207-1-CU] c 74 N88-25304
Fiber optic frequency transfer link
[NASA-CASE-NPO-17703-1-CU] c 74 N91-27957
Polarization perception device
[NASA-CASE-MS-C-21915-1] c 74 N92-30027
A method of detecting and locating electrical current imbalances
[NASA-CASE-LEW-15407-1] c 33 N94-15706
Dual frequency optical carrier technique for transmission of reference frequencies in dispersive media
[NASA-CASE-NPO-18007-2-CU] c 74 N94-23270

LIGHT VALVES

- Liquid crystal light valve structures
[NASA-CASE-MS-C-20036-1] c 76 N85-33826
Wind dynamic range video camera
[NASA-CASE-MFS-25750-1] c 32 N86-20647

LIGHTING EQUIPMENT

- Internal work light Patent
[NASA-CASE-XKS-05932] c 09 N71-26787
Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227
Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
Device for removing foreign objects from anatomic organs
[NASA-CASE-GSC-13306-1] c 52 N92-33032

LIGHTNING

- Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110

- Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
- Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
- Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- Lightning current detector
[NASA-CASE-KSC-11057-1] c 33 N79-14305
- Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
- Lightning discharge protection rod
[NASA-CASE-LAR-13470-1] c 03 N88-14083
- Method and apparatus for determining return stroke polarity of distant lightning
[NASA-CASE-MFS-26102-1-CU] c 47 N91-15661
- Method and apparatus for determining return stroke polarity of distant lightning
[NASA-CASE-MFS-26102-2-CU] c 47 N93-10108
- LIMBS (ANATOMY)**
- Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578
- LIMITER CIRCUITS**
- Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084
- Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844
- Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895
- Low level signal limiter
[NASA-CASE-XLE-04791] c 32 N74-22096
- Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
- Measurand transient signal suppressor
[NASA-CASE-MSC-22027-1] c 63 N93-17056
- LINE OF SIGHT**
- EMU helmet mounted display
[NASA-CASE-MSC-21460-1] c 54 N91-13879
- LINE SPECTRA**
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- Optical scanner
[NASA-CASE-GSC-12897-1] c 74 N87-21679
- LINEAR ACCELERATORS**
- Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962
- LINEAR ARRAYS**
- Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N87-23960
- Rotary encoding device using polygonal mirror with diffraction gratings on each facet
[NASA-CASE-GSC-13543-1] c 74 N94-20240
- LINEAR CIRCUITS**
- Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N87-22895
- LINEAR INTEGRATED CIRCUITS**
- Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
- LINEAR POLARIZATION**
- Wind dynamic range video camera
[NASA-CASE-MFS-25750-1] c 32 N86-20647
- Equal path, phase shifting, sample point interferometer for monitoring the configuration of surfaces
[NASA-CASE-NPO-17913-1-CU] c 74 N92-22034
- LINEAR PROGRAMMING**
- Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N87-22895
- LINEAR RECEIVERS**
- Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- LINEAR SYSTEMS**
- Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
- A *m*-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254
- Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N85-20337
- LINEARITY**
- Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
- Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045
- Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 37 N83-32067
- Linear motion valve
[NASA-CASE-MSC-20148-1] c 37 N85-29284
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
- Linearized traveling wave amplifier with hard limiter characteristics
[NASA-CASE-LEW-13981-2] c 33 N86-21742
- Reciprocating linear motor
[NASA-CASE-GSC-12773-2] c 33 N87-23904
- Semi-2-interpenetrating networks of high temperature systems
[NASA-CASE-LAR-13450-1] c 27 N87-28657
- LININGS**
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
- Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- Multi-path peristaltic pump
[NASA-CASE-MSC-20907-1] c 37 N87-18818
- Tapered, tubular polyester fabric
[NASA-CASE-MSC-21082-1] c 27 N87-29672
- Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N90-11824
- Internal wire guide for GTAW welding
[NASA-CASE-MFS-29489-1] c 31 N90-23586
- Consecutive plate acoustic suppressor apparatus and methods
[NASA-CASE-LEW-15430-1] c 71 N93-17051
- Reusable cryogenic liquid rocket propellant tank
[NASA-CASE-LAR-14172-1] c 20 N93-31295
- LINKAGES**
- Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
- Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
- Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
- Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
- Preloadable vector sensitive latch
[NASA-CASE-MSC-20910-1] c 37 N87-25582
- Payload deployment method and system
[NASA-CASE-MSC-21330-1] c 16 N88-24660
- Skin friction balance
[NASA-CASE-LAR-13710-1] c 35 N90-17117
- Releasable clamping apparatus
[NASA-CASE-MFS-28192-1] c 37 N90-17154
- Quick acting gimbal joint
[NASA-CASE-MSC-21918-1] c 37 N93-23076
- Force reflecting hand controller
[NASA-CASE-NPO-17851-1-CU] c 37 N93-23078
- LIQUEFACTION**
- Ophthalmic liquefaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640
- LIQUID ATOMIZATION**
- Constant-output atomizer --- Inhalation therapy and aerosol research
[NASA-CASE-MFS-25631-1] c 34 N84-12406
- LIQUID BEARINGS**
- High speed hybrid bearing comprising a fluid bearing and a rolling bearing connected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359
- Turbomachinery rotor support with damping
[NASA-CASE-MFS-28345-1] c 37 N91-14608
- LIQUID CHROMATOGRAPHY**
- Spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N86-27431
- LIQUID COOLING**
- Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
- External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
- Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
- Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
- Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
- Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
- Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
- Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
- Heat exchanger system and method
[NASA-CASE-LAR-10799-2] c 34 N76-17317
- Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
- Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N76-17237
- Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214
- Water cooled static pressure probe
[NASA-CASE-LAR-14340-1-CU] c 35 N92-21586
- LIQUID CRYSTALS**
- Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410
- Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680
- Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826
- Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N89-12551
- EMU helmet mounted display
[NASA-CASE-MSC-21460-1] c 54 N91-13879
- Real-time edge-enhanced optical correlator
[NASA-CASE-NPO-18379-1-CU] c 74 N92-33022
- Large area projection liquid-crystal video display system with inherent grid pattern optically removed
[NASA-CASE-NPO-16932-2-CU] c 74 N93-13711
- Shear sensitive monomer-polymer laminate structure and method of using same
[NASA-CASE-LAR-14654-1-CU] c 39 N93-29613
- Method of determining shear stress employing a monomer-polymer laminate structure
[NASA-CASE-LAR-14654-2] c 39 N94-23308
- LIQUID FILLED SHELLS**
- Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
- Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
- Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835
- Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
- Reusable cryogenic liquid rocket propellant tank
[NASA-CASE-LAR-14172-1] c 20 N93-31295
- LIQUID FLOW**
- Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699
- Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
- Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
- Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
- Ablative system
[NASA-CASE-LEW-10359-2] c 33 N73-25952
- Zero gravity liquid transfer screen
[NASA-CASE-KSC-10626] c 14 N73-27378
- System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517
- Degassing and mixing apparatus for liquids --- potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652
- Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930
- Polymer/ribble combination for hydrodynamic skin friction reduction
[NASA-CASE-LAR-14271-1-CU] c 27 N91-13558
- LIQUID HELIUM**
- Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
- Helium refrigerator
[NASA-CASE-NPO-13435-1] c 31 N76-14284
- Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
- Multi-stage refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
- Stabilization of He2(a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- LIQUID HYDROGEN**
- Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892

Reinforced polyquinoxaline gasket and method of preparing the same — resistant to ionizing radiation and liquid hydrogen temperatures
 [NASA-CASE-MFS-21364-1] c 37 N74-18126
 Ten degree Kelvin hydride refrigerator
 [NASA-CASE-NPO-16393-1-CU] c 31 N87-21159
 Rotor self-lubricating axial stop
 [NASA-CASE-MFS-28273-1] c 37 N88-23974
 Liquid hydrogen polygeneration system and process
 [NASA-CASE-KSC-11304-2] c 28 N91-14495

LIQUID INJECTION

Thrust vector control apparatus Patent
 [NASA-CASE-XLE-00208] c 28 N70-34294
 Control system for rocket vehicles Patent
 [NASA-CASE-XLA-01163] c 21 N71-15582
 Injector assembly for liquid fueled rocket engines Patent
 [NASA-CASE-XMF-00968] c 28 N71-15660
 Sodium storage and injection system
 [NASA-CASE-NPO-14384-1] c 37 N80-10494
 Method of producing silicon — gas phase reactor multiple injector liquid feed system
 [NASA-CASE-NPO-14382-1] c 31 N80-18231
 Vortex generating flow passage design for increased film cooling effectiveness
 [NASA-CASE-LEW-14039-1] c 34 N85-33433

LIQUID LASERS

Method and apparatus for wavelength tuning of liquid lasers
 [NASA-CASE-ERC-10187] c 16 N69-31343

LIQUID LEVELS

Inductive liquid level detection system Patent
 [NASA-CASE-XLE-01609] c 14 N71-10500

LIQUID METALS

Slug flow magnetohydrodynamic generator
 [NASA-CASE-XLE-02083] c 03 N69-39983
 Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
 [NASA-CASE-XNP-00644] c 03 N70-36803
 Analytical test apparatus and method for determining oxide content of alkali metal Patent
 [NASA-CASE-XLE-01997] c 06 N71-23527
 Power system with heat pipe liquid coolant lines Patent
 [NASA-CASE-MFS-14114] c 33 N71-27862
 Fluid impervious barrier including liquid metal alloy and method of making same Patent
 [NASA-CASE-XNP-08881] c 17 N71-28747
 Shell side liquid metal boiler
 [NASA-CASE-NPO-10831] c 33 N72-20915
 Method for distillation of liquids
 [NASA-CASE-XNP-08124-2] c 06 N73-13129
 Electromagnetic flow rate meter — for liquid metals
 [NASA-CASE-LEW-10981-1] c 35 N74-21018
 Process for preparing liquid metal electrical contact device
 [NASA-CASE-LEW-11978-1] c 33 N77-26385
 Solar driven liquid metal MHD power generator
 [NASA-CASE-LAR-12495-1] c 44 N83-28573
 Arc spray fabrication of metal matrix composite monolayer
 [NASA-CASE-LEW-13828-1] c 24 N85-30027
 Organic cathode for a secondary battery
 [NASA-CASE-NPO-17604-1-CU] c 33 N91-14536

LIQUID NITROGEN

Cryogenic feedthrough
 [NASA-CASE-LAR-10031] c 15 N72-22484

LIQUID OXYGEN

Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
 [NASA-CASE-XMF-02221] c 18 N71-27170
 Low loss injector for liquid propellant rocket engines
 [NASA-CASE-MFS-25989-1] c 20 N87-14420
 Oxygen chemisorption cryogenic refrigerator
 [NASA-CASE-NPO-16734-1-CU] c 31 N88-14223
 Rotor self-lubricating axial stop
 [NASA-CASE-MFS-28273-1] c 37 N88-23974

LIQUID PHASES

Fluid dispensing apparatus and method Patent
 [NASA-CASE-XLE-01182] c 27 N71-15635
 Hydraulic casting of liquid polymers Patent
 [NASA-CASE-XNP-07659] c 06 N71-22975
 Fluid phase analyzer Patent
 [NASA-CASE-NPO-10691] c 14 N71-26199
 Cryogenic liquid sensor
 [NASA-CASE-NPO-10619-1] c 35 N77-21393
 Pumped two-phase heat transfer loop
 [NASA-CASE-MSC-20841-1] c 34 N87-22950
 Solidification processing of alloys using an applied electric field
 [NASA-CASE-MFS-26083-1-CU] c 26 N90-26940

LIQUID PROPELLANT ROCKET ENGINES

Annular rocket motor and nozzle configuration Patent
 [NASA-CASE-XLE-00078] c 28 N70-33284

Attitude and propellant flow control system and method Patent
 [NASA-CASE-XMF-00185] c 21 N70-34539

Injector for bipropellant rocket engines Patent
 [NASA-CASE-XMF-00148] c 28 N70-38710

Zero gravity starting means for liquid propellant motors Patent
 [NASA-CASE-XNP-01390] c 28 N70-41275

Supersonic-combustion rocket
 [NASA-CASE-LEW-11058-1] c 20 N74-13502

Space vehicle
 [NASA-CASE-MFS-22734-1] c 18 N75-19329

Fluid thrust control system — for liquid propellant rocket engines
 [NASA-CASE-XMF-05964-1] c 20 N79-21124

Rocket injector head
 [NASA-CASE-XMF-04592-1] c 20 N79-21125

Low thrust monopropellant engine
 [NASA-CASE-GSC-12194-2] c 20 N82-18314

Integrated launch and emergency vehicle system
 [NASA-CASE-LAR-13780-1] c 18 N92-33013

Liquid fuel injection elements for rocket engines
 [NASA-CASE-MFS-28547-1] c 20 N94-20370

Method of fabricating a rocket engine combustion chamber
 [NASA-CASE-MFS-28569-1] c 27 N94-20541

LIQUID ROCKET PROPELLANTS

Rocket propellant injector Patent
 [NASA-CASE-XLE-00103] c 28 N70-33241

Liquid rocket system Patent
 [NASA-CASE-XNP-00610] c 28 N70-36910

Rocket motor system Patent
 [NASA-CASE-XLE-00323] c 28 N70-38505

High temperature spark plug Patent
 [NASA-CASE-XLE-00660] c 28 N70-39925

High pressure filter Patent
 [NASA-CASE-XNP-00732] c 28 N70-41447

Liquid storage tank venting device for zero gravity environment Patent
 [NASA-CASE-XLE-01449] c 15 N70-41646

Tank construction for space vehicles Patent
 [NASA-CASE-XMF-01899] c 31 N70-41948

Fluid dispensing apparatus and method Patent
 [NASA-CASE-XLE-01182] c 27 N71-15635

Control valve and co-axial variable injector Patent
 [NASA-CASE-XNP-09702] c 15 N71-17654

Slosh alleviator Patent
 [NASA-CASE-XLA-05749] c 15 N71-19569

Filler valve Patent
 [NASA-CASE-XNP-01747] c 15 N71-23024

Propellant mass distribution metering apparatus Patent
 [NASA-CASE-NPO-10185] c 10 N71-26339

Fluid impervious barrier including liquid metal alloy and method of making same Patent
 [NASA-CASE-XNP-08881] c 17 N71-28747

Response analyzers for sensors Patent
 [NASA-CASE-MFS-11204] c 14 N71-29134

Passive propellant system
 [NASA-CASE-MFS-23642-1] c 20 N80-10278

Supercharged topping rocket propellant feed system
 [NASA-CASE-XLE-02062-1] c 20 N80-14188

Low loss injector for liquid propellant rocket engines
 [NASA-CASE-MFS-25989-1] c 20 N87-14420

Extended temperature range rocket injector
 [NASA-CASE-LEW-14846-1] c 20 N92-10054

Method for providing real-time control of a gaseous propellant rocket propulsion system
 [NASA-CASE-MSC-21542-1] c 20 N92-15122

LIQUID SLOSHING

Slosh suppressing device and method Patent
 [NASA-CASE-XMF-00658] c 12 N70-38997

Flexible ring slosh damping baffle Patent
 [NASA-CASE-LAR-10317-1] c 32 N71-16103

Buoyant anti-slosh system Patent
 [NASA-CASE-XLA-04605] c 32 N71-16106

Hot wire liquid level detector for cryogenic fluids Patent
 [NASA-CASE-XLE-00454] c 23 N71-17802

Slosh alleviator Patent
 [NASA-CASE-XLA-05749] c 15 N71-19569

Instrument for measuring the dynamic behavior of liquids Patent
 [NASA-CASE-XLA-05541] c 12 N71-26387

LIQUID SODIUM
 Sodium storage and injection system
 [NASA-CASE-NPO-14384-1] c 37 N80-10494

LIQUID-GAS MIXTURES

Liquid-gas separation system Patent
 [NASA-CASE-XMS-01624] c 15 N70-40062

Liquid-gas separator for zero gravity environment Patent
 [NASA-CASE-XMS-01492] c 05 N70-41297

Liquid storage tank venting device for zero gravity environment Patent
 [NASA-CASE-XLE-01449] c 15 N70-41646

Separator Patent
 [NASA-CASE-XLA-00415] c 15 N71-16079

Vapor liquid separator Patent
 [NASA-CASE-XMF-04042] c 15 N71-23023

Air removal device — life support systems
 [NASA-CASE-XLA-08914-2] c 25 N82-21269

LIQUID-SOLID INTERFACES

Apparatus and procedure to detect a liquid-solid interface during crystal growth in a bridgman furnace
 [NASA-CASE-LAR-13597-1-CU] c 25 N87-23713

LIQUID-VAPOR INTERFACES

Zero gravity separator Patent
 [NASA-CASE-XLE-00586] c 15 N71-15968

Rotating shaft seal Patent
 [NASA-CASE-XNP-02862-1] c 15 N71-26294

Response analyzers for sensors Patent
 [NASA-CASE-MFS-11204] c 14 N71-29134

Acoustic bubble removal method
 [NASA-CASE-NPO-15334-1] c 71 N83-35781

LIQUIDS

Liquid-gas separation system Patent
 [NASA-CASE-XMS-01624] c 15 N70-40062

Electrical switching device Patent
 [NASA-CASE-NPO-10037] c 09 N71-19610

Method and apparatus for distillation of liquids Patent
 [NASA-CASE-XNP-08124] c 15 N71-27184

Apparatus for detecting the amount of material in a resonant cavity container Patent
 [NASA-CASE-XNP-02500] c 18 N71-27397

Resonant infrasonic gauging apparatus
 [NASA-CASE-MSC-11847-1] c 14 N72-11363

Ablative system
 [NASA-CASE-LEW-10359] c 33 N72-25911

Liquid waste feed system
 [NASA-CASE-LAR-10365-1] c 05 N72-27102

Zero gravity liquid mixer
 [NASA-CASE-LAR-10195-1] c 15 N73-19458

Bi-metallic fluid displacement apparatus — for stirring and heating stored gases and liquids
 [NASA-CASE-ARC-10441-1] c 35 N74-15126

Method and device for detection of surface discontinuities or defects
 [NASA-CASE-MSC-14187-1] c 35 N74-32879

Automatic liquid inventory collecting and dispensing unit
 [NASA-CASE-LAR-11071-1] c 35 N75-19611

Thermal energy storage system — operating on superheating of liquids
 [NASA-CASE-MFS-23167-1] c 44 N76-31667

Low gravity phase separator
 [NASA-CASE-MSC-14773-1] c 35 N78-12390

Automatic fluid dispenser
 [NASA-CASE-ARC-10820-1] c 35 N78-19466

Liquid-immersible electrostatic ultrasonic transducer
 [NASA-CASE-LAR-12465-1] c 33 N82-26572

System for monitoring physical characteristics of fluids
 [NASA-CASE-NPO-15400-1] c 34 N83-31993

Liquid thickness gauge
 [NASA-CASE-LAR-13826-1] c 35 N88-29150

Tank gauging apparatus and method
 [NASA-CASE-MSC-21059-2] c 35 N91-15511

LITHIUM

Lithium counterdoped silicon solar cell
 [NASA-CASE-LEW-14177-1] c 44 N86-32875

Secondary Li battery incorporating 12-Crown-4 ether
 [NASA-CASE-NPO-17922-1-CU] c 33 N92-28753

Anode for rechargeable ambient temperature lithium cells
 [NASA-CASE-NPO-18580-1-CU] c 33 N93-17278

Alkali metal carbon dioxide electrochemical system for energy storage and/or conversion of carbon dioxide to oxygen
 [NASA-CASE-LEW-14973-1] c 44 N93-28974

Thin composite solid electrolyte film for lithium batteries
 [NASA-CASE-NPO-18694-1-CU] c 33 N94-17325

LITHIUM ALLOYS

Elevated temperature aluminum alloys
 [NASA-CASE-LAR-13632-1] c 26 N87-29650

Aluminum alloy
 [NASA-CASE-LAR-13924-1-CU] c 26 N89-28621

LITHIUM COMPOUNDS

Novel polymers and method of preparing same
 [NASA-CASE-NPO-10998-1] c 06 N73-32029

LITHIUM OXIDES

Overcharge and overdischarge protection of ambient temperature secondary lithium cells
 [NASA-CASE-NPO-18343-1-CU] c 33 N93-11456

Overcharge and overdischarge protection of ambient temperature secondary lithium cells
 [NASA-CASE-NPO-18343-1-CU] c 33 N94-23823

LITHOGRAPHY

Aberration correction of unstable resonators
 [NASA-CASE-NPO-18791-1-CU] c 35 N94-15987

LOAD DISTRIBUTION (FORCES)

- Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Multiple Belleville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225
Device for use in loading tension members ---
characterized by elongated elastic body
[NASA-CASE-MFS-21488-1] c 14 N75-24794
Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465
Load positioning system with gravity compensation
[NASA-CASE-ARC-11525-1] c 37 N86-27629
Radial spline assembly for antifriction bearings
[NASA-CASE-MFS-28629-1] c 37 N93-26001
Method of recertifying a loaded bearing member using
a phase point
[NASA-CASE-LAR-14741-1] c 39 N94-10671

LOAD TESTING MACHINES

- Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974
Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
Fatigue failure load indicator
[NASA-CASE-LAR-10207-1] c 39 N79-22537
Portable 90 degree proof loading device
[NASA-CASE-MSC-20250-1] c 35 N86-19581
Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841
Device for measuring hole elongation in a bolted joint
[NASA-CASE-LAR-13453-1] c 37 N88-14361
Bearing-bypass material system test
[NASA-CASE-LAR-13458-1] c 35 N88-23967
Delamination test apparatus and method
[NASA-CASE-LAR-13985-1] c 24 N91-14430
Fully articulated four-point-bend loading fixture
[NASA-CASE-LEW-14776-1] c 37 N91-21540
Apparatus for elevated temperature compression or
tension testing of specimens
[NASA-CASE-LAR-14775-1] c 39 N92-30099
System for testing bearings
[NASA-CASE-MFS-28589-1] c 37 N93-29618

LOAD TESTS

- Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
Fatigue testing a plurality of test specimens and
method
[NASA-CASE-MFS-28118-1] c 39 N87-25601
Delamination test apparatus and method
[NASA-CASE-LAR-13985-1] c 24 N91-14430
Apparatus for elevated temperature compression or
tension testing of specimens
[NASA-CASE-LAR-14775-1] c 39 N92-30099

LOADING OPERATIONS

- Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722

LOADS (FORCES)

- Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466
Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813
Method of improving the reliability of a rolling element
system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
Transverse piezoresistance and pinch effect
electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959
Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451
Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N72-25288
Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463
Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
Spring operated accelerator and constant force spring
mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417

Penetrometer --- for determining load bearing
characteristics of inclined surfaces

- [NASA-CASE-NPO-11103-1] c 35 N77-27367
Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499
Adjustable indicating device for load position
[NASA-CASE-MFS-28008-1] c 35 N85-20300
Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947
Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375
Dual motion valve with single motion input
[NASA-CASE-MFS-28058-1] c 37 N87-21332
Fatigue testing apparatus
[NASA-CASE-LEW-14124-1] c 35 N90-23712
Wind tunnel balance
[NASA-CASE-ARC-11877-1-SB] c 09 N91-14357
Single element magnetic suspension actuator
[NASA-CASE-LAR-13981-1] c 37 N91-21539
Power saw
[NASA-CASE-MSC-21469-1] c 37 N91-31655
Dual strain gage balance system for measuring light
loads
[NASA-CASE-LAR-14419-1] c 35 N92-10185
Load limiting energy absorbing lightweight debris
catcher
[NASA-CASE-MSC-21562-1] c 16 N92-16007
Control and augmentation of passive porosity through
transpiration control
[NASA-CASE-LAR-14682-1] c 34 N92-30387
Energy dissipator
[NASA-CASE-MSC-21555-1] c 37 N93-23075
Methods of determining loads and fiber orientations in
anisotropic non-crystalline materials using energy flux
deviation
[NASA-CASE-LAR-14399-1] c 39 N93-26102
Method of recertifying a loaded bearing member using
a phase point
[NASA-CASE-LAR-14741-1] c 39 N94-10671
Automatic locking orthotic knee device
[NASA-CASE-MFS-28633-1] c 54 N94-20493
Split spline screw
[NASA-CASE-GSC-13434-1] c 37 N94-23082

LOCAL AREA NETWORKS

- Local area network with fault-checking, priorities, and
redundant backup
[NASA-CASE-NPO-16949-1-CU] c 62 N90-19776

LOCATES SYSTEM

- Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
Position determination systems --- using orbital antenna
scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250

LOCKING

- Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927
Self-locking mechanical center joint
[NASA-CASE-LAR-12864-1] c 37 N85-30336
Variable length strut with longitudinal compliance and
locking capability
[NASA-CASE-MFS-25907-1] c 37 N85-34401
Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 37 N86-20789
Elbow and knee joint for hard space suits
[NASA-CASE-ARC-11610-1] c 54 N86-28619
Locking hinge
[NASA-CASE-MSC-21056-1] c 18 N88-23827
Quick connect coupling
[NASA-CASE-MSC-21539-1] c 37 N91-14610
System for connecting fluid couplings
[NASA-CASE-MFS-26042-1-SB] c 37 N91-14613
Quick action clamp
[NASA-CASE-LEW-14887-1] c 37 N91-27561
Roller locking brake
[NASA-CASE-GSC-13376-1] c 37 N92-21728
Removable hand hold
[NASA-CASE-LEW-15196-1] c 37 N92-29092
Quick application/release nut with engagement
indicator
[NASA-CASE-MSC-21799-1] c 37 N92-29150
Prosthetic elbow joint
[NASA-CASE-MFS-28707-1] c 54 N93-30566
Connector systems for structures
[NASA-CASE-MSC-21998-1] c 37 N94-15707
Automatic locking orthotic knee device
[NASA-CASE-MFS-28633-1] c 54 N94-20493

LOCKS (FASTENERS)

- Locking device with rolling detents Patent
[NASA-CASE-XMF-01371] c 15 N70-41829
Bearing and gimbal lock mechanism and spiral flex lead
module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935

- Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
High temperature penetrator assembly with bayonet plug
and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494
Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737
Collet lock joint for space station truss
[NASA-CASE-MSC-21207-1] c 37 N88-29180

LOCOMOTION

- Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280
Apparatus and method for measuring subject work rate
on an exercise device
[NASA-CASE-MSC-21752-1] c 54 N94-20194

LOGARITHMIC RECEIVERS

- Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339

LOGARITHMS

- Logarithmic function generator utilizing an exponentially
varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173

LOGIC CIRCUITS

- A method for selective gold diffusion of monolithic silicon
devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502
Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423
Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
Data processor having multiple sections activated at
different times by selective power coupling to the sections
Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579
Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751
Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000
Parallel generation of the check bits of a PN sequence
Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
Adaptive system and method for signal generation
Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
Logical function generator
[NASA-CASE-XLA-05099] c 09 N73-13209
A synchronous binary array divider
[NASA-CASE-ERC-10180-1] c 60 N74-20836
Four phase logic systems --- including integrated
microcircuits
[NASA-CASE-MSC-14240-1] c 33 N75-14957
Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
Combinational logic for generating gate drive signals for
phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
Adaptive reference voltage generator for firing angle
control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 04 N86-19304

- Braille reading system
[NASA-CASE-LAR-13306-1] c 82 N87-29372
- Nanosequencer digital logic controller
[NASA-CASE-NPO-16116-2] c 60 N88-29310
- Long period pseudo random number sequence generator
[NASA-CASE-NPO-17241-1-CU] c 33 N90-23636
- Dynamic resource allocation scheme for distributed heterogeneous computer systems
[NASA-CASE-NPO-17197-1-CU] c 62 N91-25693
- Control circuitry using electronic emulation of a synchro signal for accurate control of position and rate of rotation for shafts
[NASA-CASE-MFS-28458-1] c 33 N91-26459
- Auto and hetero-associative memory using a 2-D optical logic gate
[NASA-CASE-NPO-17997-1-CU] c 60 N92-33057
- Reconfigurable fuzzy cell
[NASA-CASE-MSC-21613-1] c 61 N94-20492

LOGIC PROGRAMMING

- VLSI binary updown counter
[NASA-CASE-NPO-17205-1-CU] c 60 N90-21525

LONG WAVE RADIATION

- INAS hole-immobilized doping superlattice long-wave-infrared detector
[NASA-CASE-NPO-17880-1-CU] c 76 N93-11056

LONGERONS

- Latching mechanism for deployable/re-stowable columns useful in satellite construction
[NASA-CASE-LAR-13169-1] c 37 N86-25791
- Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 16 N86-26352
- Deployable geodesic truss structure
[NASA-CASE-LAR-13113-1] c 31 N87-25492

LONGITUDINAL CONTROL

- Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
- Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152
- Remote pivot decoupler pylon: Wing/store flutter suppressor
[NASA-CASE-LAR-13173-1] c 05 N87-14314
- Swashplate control system
[NASA-CASE-ARC-11633-1] c 08 N87-23631

LONGITUDINAL STABILITY

- Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277

LOOK ANGLES (ELECTRONICS)

- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711

LOOP ANTENNAS

- Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
- Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113

LOOPS

- Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
- Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
- Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
- High speed shutter — electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300
- Means for accommodating large overstrain in lead wires — by storing extra length of wire in stretchable loop
[NASA-CASE-LAR-10168-1] c 33 N74-22865
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- Pulsed phase locked loop strain monitor — voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
- Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N87-22950
- Phase length optical phase-locked-loop sensor
[NASA-CASE-LAR-13387-1] c 74 N88-25302
- Polymeric heat pipe wick
[NASA-CASE-GSC-13019-1] c 34 N88-29133

LOUDNESS

- Visual aid for the hearing impaired
[NASA-CASE-GSC-13027-1-CU] c 35 N91-27522

LOUVERS

- Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204

LOW ASPECT RATIO

- Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
- Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858

LOW CONDUCTIVITY

- High temperature insulation barrier composite
[NASA-CASE-MFS-29241-1] c 24 N90-23480

LOW COST

- Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
- Large TV display system
[NASA-CASE-NPO-16932-1CU] c 33 N87-15413
- Network of dedicated processors for finding lowest-cost map path
[NASA-CASE-NPO-17716-1-CU] c 62 N92-15620
- Large area projection liquid-crystal video display system with inherent grid pattern optically removed
[NASA-CASE-NPO-16932-2-CU] c 74 N93-13711

LOW CURRENTS

- Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338

LOW DENSITY MATERIALS

- Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993
- Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
- Mixing insert for foam dispensing apparatus
[NASA-CASE-MFS-20607-1] c 37 N76-19436
- Low density bismaleimide-carbon microballoon composites — aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides — flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Elevated temperature aluminum alloys
[NASA-CASE-LAR-13632-1] c 26 N87-29650

LOW FREQUENCIES

- Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794
- Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N84-27713
- Suspension device for low-frequency structures
[NASA-CASE-LAR-14272-1-CU] c 14 N93-24598

LOW GRAVITY MANUFACTURING

- Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189
- Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- Apparatus ad method for quiescent containerless processing of high temperature metals and alloys in low gravity
[NASA-CASE-MFS-28087-1] c 35 N87-23944
- Sample levitation and melt in microgravity
[NASA-CASE-NPO-17022-1-CU] c 29 N87-25489
- Macromolecular crystal growing system
[NASA-CASE-MFS-26088-1-CU] c 76 N92-25398

LOW MOLECULAR WEIGHTS

- Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807
- Polyimide processing additives
[NASA-CASE-LAR-13669-2] c 27 N94-23079

LOW NOISE

- Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
- Reflected-wave maser — low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
- Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
- Low noise cryogenic dielectric resonator oscillator
[NASA-CASE-NPO-17157-1-CU] c 33 N88-26596

LOW PASS FILTERS

- Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
- Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- Digital carrier demodulator employing components working beyond normal limits
[NASA-CASE-NPO-17628-1-CU] c 32 N92-21712

- Doppler shift compensation system for laser transmitters and receivers
[NASA-CASE-GSC-13194-1] c 36 N93-18287

- Force reflection with compliance control
[NASA-CASE-NPO-18668-1-CU] c 37 N94-10654

LOW PRESSURE

- Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- Method and apparatus for waste collection and storage
[NASA-CASE-MSC-21025-3] c 54 N91-26747
- Low pressure process for continuous fiber reinforced polyamic acid resin matrix composite laminates
[NASA-CASE-LAR-14954-1] c 24 N92-34214

LOW SPEED

- Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
- Helicopter low-speed yaw control
[NASA-CASE-LAR-14219-1] c 08 N93-25998

LOW TEMPERATURE

- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- Cellular thermosetting fluoropolymers and process for making them
[NASA-CASE-GSC-13008-1] c 27 N88-23894
- Flexible diaphragm-extreme temperature usage
[NASA-CASE-MSC-20797-2] c 35 N91-21494
- Sub-Kelvin resistance thermometer
[NASA-CASE-GSC-13406-1] c 35 N92-33614

LOW TEMPERATURE ENVIRONMENTS

- Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986

LOW TEMPERATURE TESTS

- Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
- Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234
- Heating and cooling system — for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221

LOW THRUST

- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

LOW VACUUM

- Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673

LOW VOLTAGE

- High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
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[NASA-CASE-XNP-02778] c 08 N71-22710
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- Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
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- Clutchless multiple drive source for output shaft
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- Electrical rotary joint apparatus for large space structures
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- Variable speed drive
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- Dual motion valve with single motion input
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- Mobile remote manipulator vehicle system
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- Bidirectional drive and brake mechanism
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- Mechanized fluid connector and assembly tool system with ball detents
[NASA-CASE-MSC-21434-1] c 37 N92-10197
- Magnetostriuctive roller drive motor
[NASA-CASE-GSC-13369-1] c 33 N92-15331
- Linear mass actuator
[NASA-CASE-LAR-14352-1] c 37 N92-34173
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- Apparatus for absorbing and measuring power Patent
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- Strain sensor for high temperatures Patent
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- Photomechanical transducer
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[NASA-CASE-ARC-11418-1] c 24 N84-11213
- Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
- Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft
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- Polyarylene ethers with improved properties
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- Acetylene terminated aspartimides and resins therefrom
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- A tough performance simultaneous semi-interpenetrating polymer network
[NASA-CASE-LAR-14339-1] c 27 N90-26955
- Silicon containing electroconductive polymers and structures made therefrom
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- MECHANICS (PHYSICS)**
- Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039
- MECHANIZATION**
- Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
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- Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
- Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
- Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
- Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
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[NASA-CASE-MSC-14180-1] c 52 N76-14757
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
- Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
- Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717
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[NASA-CASE-LEW-12668-1] c 52 N78-14773

- Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
- Intra-ocular pressure normalization technique and equipment
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- Micro-fluid exchange coupling apparatus
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- Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
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[NASA-CASE-LEW-13107-1] c 52 N83-21785
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[NASA-CASE-NPO-15197-1] c 52 N83-25346
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- Method and apparatus for characterizing reflected ultrasonic pulses
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[NASA-CASE-LAR-13901-2] c 52 N92-11621
- Method and apparatus to characterize ultrasonically reflective contrast agents
[NASA-CASE-LAR-14969-1] c 52 N94-17085
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- Prosthetic helping hand
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- MELTING**
- Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
[NASA-CASE-LAR-12881-1] c 27 N84-14323
- Hot melt adhesive attachment pad
[NASA-CASE-LAR-12894-1] c 27 N85-20125
- Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-2] c 76 N90-20896
- Pressure rig for repetitive casting
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- MELTING POINTS**
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[NASA-CASE-LAR-12054-1] c 27 N79-33316
- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
- MELTS (CRYSTAL GROWTH)**
- Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
- Preparation of monotelect alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
- Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
- Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
- Containerless high purity pulling process and apparatus for glass fiber
[NASA-CASE-MFS-25905-2] c 31 N86-21718
- High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N87-14971
- Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N87-23286
- Ribbon growing method and apparatus
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- Device for mechanically stabilizing web ribbon buttons during growth initiation
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- MEMBRANE STRUCTURES**
- Liquid junction and method of fabricating the same
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[NASA-CASE-NPO-10682] c 15 N70-34699
- Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Meteoroid capture cell construction
[NASA-CASE-MSC-12423-1] c 91 N76-30131
- Strong thin membrane structure — solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163
- In-situ cross linking of polyvinyl alcohol — application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257
- Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
- Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
- High temperature fiber optic microphone having a pressure-sensing reflective membrane under tensile stress
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- Apparatus for measuring swelling characteristics of membranes
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- Mixture separation cell Patent
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- Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
- Dual membrane hollow fiber fuel cell and method of operating same
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- Microelectrophoretic apparatus and process
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[NASA-CASE-ARC-10980-1] c 27 N80-23452
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of the thermoplastic matrix polymer
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- Air removal device — life support systems
[NASA-CASE-XLA-08914-2] c 25 N82-21269
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[NASA-CASE-XGS-05584-1] c 25 N82-29370
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- Method of forming dynamic membrane on stainless steel support
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- Adjustable steam producing flexible orifice independent of fluid pressure
[NASA-CASE-NPO-17625-1-CU] c 34 N92-21724
- A method for making biocompatible polymer articles using atomic oxygen
[NASA-CASE-MSC-21529-1] c 27 N92-30100
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- Thermocouple for heating and cooling of memory metal actuators
[NASA-CASE-NPO-17068-1-CU] c 35 N88-29151
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[NASA-CASE-NPO-15295-1] c 60 N85-21992
- Real-time garbage collection for list processing
[NASA-CASE-MSC-20964-1] c 60 N87-14863
- Hybrid analog-digital associative neural network
[NASA-CASE-NPO-17058-1-CU] c 62 N87-25803
- Solid state electrical switch employing materials with reversible phase transistors
[NASA-CASE-NPO-17621-1-CU] c 33 N90-17010
- Method of up-front load balancing for local memory parallel processors
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- Asymmetric soft-error resistant memory
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- Analog hardware for delta-backpropagation neural networks
[NASA-CASE-NPO-17564-1-CU] c 32 N92-22033
- Optical inner product neural associative memory
[NASA-CASE-NPO-18491-1-CU] c 60 N92-23546
- System for simultaneously loading program to master computer memory devices and corresponding slave computer memory devices
[NASA-CASE-MSC-21387-1] c 61 N93-18855
- Unipolar terminal-attractor based neural associative memory with adaptive threshold
[NASA-CASE-NPO-18790-1-CU] c 63 N94-15958
- Optoelectronic associative memory
[NASA-CASE-NPO-18278-1-CU] c 74 N94-20303
- Non-volatile, solid state bistable electrical switch
[NASA-CASE-NPO-17621-1-CU] c 33 N94-23820
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- MERCURY (METAL)**
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[NASA-CASE-XNP-02251] c 12 N71-20896
- Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
- MERCURY CADMIUM TELLURIDES**
- Method of preparing radially homogeneous mercury cadmium telluride crystals
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- MERCURY VAPOR**
- Mercury capillary interrupter Patent
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- Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
- MESSAGE PROCESSING**
- Method for Viterbi decoding of large constraint length convolutional codes
[NASA-CASE-NPO-17310-1-CU] c 17 N88-28946
- MESSAGES**
- Synchronous parallel system for emulation and discrete event simulation
[NASA-CASE-NPO-18414-1-CU] c 62 N92-24045
- METABOLIC WASTES**
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- Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
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[NASA-CASE-ARC-10469-1] c 25 N75-12086
- Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- Metabolic rate meter and method
[NASA-CASE-MSC-12239-1] c 52 N79-21750
- Kinetic tetrazolium microtiter assay
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- Method of making a diffusion bonded refractory coating
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- Metal valve pintle with encapsulated elastomeric body
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[NASA-CASE-MSC-12116-1] c 15 N71-17648
- Apparatus for the determination of the existence or non-existence of a bonding between two members
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- Soldering with solder flux which leaves corrosion resistant coating
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- Bonded elastomeric seal for electrochemical cells
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- Positive contact resistance soldering unit
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- Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489
- Totally confined explosive welding — apparatus to reduce noise level and protect personnel during explosive bonding
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- Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
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[NASA-CASE-LEW-11573-1] c 26 N77-28265
- Heat exchanger and method of making — bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
- Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
- Method and apparatus for holding two separate metal pieces together for welding
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- Heat exchanger and method of making — rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573
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[NASA-CASE-LAR-12640-1] c 27 N82-11206
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
- Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- Method of coating a substrate with a rapidly solidified metal
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- Apparatus and method for explosive bonding to edge of flyer plate
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- Process for bonding elastomers to metals
[NASA-CASE-LAR-13845-1] c 27 N93-25995
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[NASA-CASE-MFS-07369] c 15 N71-20443
- Soldering with solder flux which leaves corrosion resistant coating
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[NASA-CASE-XNP-03459] c 15 N71-21078
- Thermal control coating
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[NASA-CASE-XLA-01995] c 18 N71-23047
- Trialkyl-dihaloaluminum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808
- Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
- Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150
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- Electromagnetic radiation energy arrangement — coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
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- Nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N87-14482
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[NASA-CASE-NPO-16423-1-CU] c 37 N87-21334
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- Method and tool for machining a transverse slot about a bore
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- Directional solidification of superalloys
[NASA-CASE-MFS-28314-1] c 26 N91-14462
- High speed thin plate fatigue crack monitor
[NASA-CASE-LAR-14816-1-SB] c 39 N93-19329
- METAL FIBERS**
- Lightweight electrically-powered flexible thermal laminate — made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331
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- Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
- Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
- Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
- Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
- Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
- Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
- Deposition of alloy films — on irregularly shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270
- Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
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- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
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- Composite flexible blanket insulation
[NASA-CASE-ARC-11907-1-NP] c 24 N91-31236
- Method of intercalating large quantities of fibrous structures
[NASA-CASE-LEW-15077-1] c 24 N92-16025
- Fabrication of nanometer single crystal metallic CoSi₂ structures on Si
[NASA-CASE-NPO-17736-2-CU] c 24 N92-18561
- Method of forming a multiple layer dielectric and a hot film sensor therewith
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- Cellulose triacetate, thin film dielectric capacitor
[NASA-CASE-NPO-18935-1-CU] c 33 N94-15952
- Aberration correction of unstable resonators
[NASA-CASE-NPO-18791-1-CU] c 35 N94-15987
- METAL FINISHING**
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[NASA-CASE-XGS-03120] c 15 N71-24047
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[NASA-CASE-MSC-12631-1] c 24 N77-28225
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- Method of making carbide/fluoride/silver composites
[NASA-CASE-LEW-14902-1] c 24 N91-27244
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- Folding apparatus Patent
[NASA-CASE-XLA-00137] c 15 N70-33180
- Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
- Method of making porous conductive supports for electrodes — by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692
- Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
- Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- High temperature insulation barrier composite
[NASA-CASE-MFS-29241-1] c 24 N90-23480
- Composite flexible blanket insulation
[NASA-CASE-ARC-11907-1-NP] c 24 N91-31236
- Performance of blasting caps
[NASA-CASE-LAR-13832-1] c 28 N93-18274
- METAL FUELS**
- Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
- METAL HALIDES**
- Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
- Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427
- High power metallic halide laser — amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- Metal chloride cathode for a battery
[NASA-CASE-NPO-17809-1-CU] c 33 N91-27478
- METAL HYDRIDES**
- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- METAL IONS**
- Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
- Process for improving mechanical properties of epoxy resins by addition of cobalt ions
[NASA-CASE-LAR-13230-1] c 24 N84-34571
- Ion exchange polymers and method for making
[NASA-CASE-LEW-15576-1] c 27 N93-31316
- A process for preparing an assembly of an article and a soluble polyimide which resists dimensional change, delamination, and debonding when exposed to changes in temperature
[NASA-CASE-LAR-14763-1] c 27 N94-20373
- METAL JOINTS**
- Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 74 N86-20126
- METAL MATRIX COMPOSITES**
- Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
- Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
- Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
- Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
- Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
- Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
- Heat exchanger and method of making — bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
- Preparation of monolithic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- Heat exchanger and method of making — rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573
- Method for alleviating thermal stress damage in laminates — metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
- Metal matrix composite structural panel construction
[NASA-CASE-LAR-12807-1] c 24 N84-11214
- Arc spray fabrication of metal matrix composite monolayer
[NASA-CASE-LEW-13828-1] c 24 N85-30027
- Oxidation resistant coating for titanium alloys and titanium alloy matrix composites
[NASA-CASE-LEW-15155-1] c 27 N92-29090
- METAL OXIDE SEMICONDUCTORS**
- Gyrator employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232
- Radiation hardening of MOS devices by boron — for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329
- Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
- Radiation hardening of MOS devices by boron — for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730
- Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
- Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
- Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
- Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N86-20150
- Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N88-14271
- Method and apparatus for determining time, direction, and composition of impacting space particles
[NASA-CASE-LAR-13392-1-CU] c 19 N91-14412
- Nonvolatile programmable neural network synaptic array
[NASA-CASE-NPO-18578-1-CU] c 33 N92-30086
- METAL OXIDES**
- Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
- Photoetching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N72-21094
- Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
- Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MSC-12408-1] c 46 N74-13011
- Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494
- Method of forming oxide coatings — for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388
- Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
- Thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 24 N85-21266
- Apparatus for producing oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-2] c 27 N86-32569
- Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N87-23736
- Epitaxial heterojunctions of oxide semiconductors and metals on high temperature superconductors
[NASA-CASE-NPO-18483-1-CU] c 76 N93-15151
- METAL PARTICLES**
- Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
- METAL PLATES**
- Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
- Nuclear fuel elements
[NASA-CASE-XLE-00209] c 22 N73-32528
- Strain arrestor plate for fused silica tile — bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
- Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 35 N84-22930
- High effectiveness contour matching contact heat exchanger
[NASA-CASE-MSC-20840-1] c 34 N88-29132
- Apparatus and method for explosive bonding to edge of flyer plate
[NASA-CASE-LAR-14096-1] c 31 N91-31476
- High speed thin plate fatigue crack monitor
[NASA-CASE-LAR-14816-1-SB] c 39 N93-19329
- METAL POWDER**
- Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
- Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
- Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911
- Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
- Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
- Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
- Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
- Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456
- METAL SHEETS**
- Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136
- Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
- Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326

- Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371
Apparatus for welding sheet material — butt joints
[NASA-CASE-XMS-01330] c 37 N75-27376
Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450
- METAL SHELLS**
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886
- METAL SPINNING**
Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
- METAL SPRAYING**
Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550
- METAL STRIPS**
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
High speed shutter — electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300
Method for maintaining precise suction strip porosities
[NASA-CASE-LAR-13638-1] c 31 N90-19427
High temperature solder device for flat cables
[NASA-CASE-GSC-13344-1] c 26 N92-29094
- METAL SURFACES**
Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
Thin film gauge — for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095
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[NASA-CASE-MS-C-12631-3] c 27 N81-14077
Improved refractory coatings — sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
Corrosion resistant thermal barrier coating — protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
Method for forming hermetic seals
[NASA-CASE-NPO-16423-1-CU] c 37 N87-21334
Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-2] c 26 N88-14179
Arc-textured high emittance radiator surfaces
[NASA-CASE-LEW-14679-1] c 27 N91-25296
Ceramic coatings on smooth surfaces
[NASA-CASE-LEW-15164-1] c 27 N91-25298
Metal etching composition
[NASA-CASE-MFS-29576-1] c 25 N92-25399
Process for bonding elastomers to metals
[NASA-CASE-LAR-13645-1] c 27 N93-25995
- METAL VAPOR LASERS**
High power metallic halide laser — amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- METAL VAPORS**
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
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[NASA-CASE-NPO-13449-1] c 36 N75-32441
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
AMTEC vapor-vapor series connected cells
[NASA-CASE-NPO-18667-1-CU] c 33 N93-19330

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- Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817
Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
Insert facing tool — manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
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[NASA-CASE-LEW-11694-2] c 37 N76-14461
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[NASA-CASE-GSC-12619-1] c 37 N84-12491
- METAL-METAL BONDING**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
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[NASA-CASE-LEW-12982-1] c 37 N81-19455
Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- METALLIC GLASSES**
Glass compositions with a high modulus of elasticity — nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
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[NASA-CASE-HQN-10931-2] c 27 N82-29452
- METALLIZING**
Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
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[NASA-CASE-LEW-13639-1] c 26 N84-33555
Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550
Thin solar cell and lightweight array
[NASA-CASE-LEW-14959-1] c 44 N91-27614
Thermal treatment of silicon integrated circuit chips to prevent and heal voids in aluminum metallization
[NASA-CASE-NPO-17678-1-CU] c 76 N91-28014
High energy and high power density ultracapacitors and supercapacitors
[NASA-CASE-NPO-18568-1-CU] c 33 N93-17274
Method for producing a hybridization of detector array and integrated circuit for readout
[NASA-CASE-NPO-18062-1-CU] c 33 N94-10656
- METALLOGRAPHY**
Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
- METALLOSILOXANE POLYMER**
Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
- METALLURGY**
Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- METALS**
Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063

- Scanning nozzle plating system — for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
Thermocouple tape — developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N76-15434
Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
Device and method for frictionally testing materials for ignitability
[NASA-CASE-MS-C-20622-1] c 25 N86-19413
Metal phthalocyanine intermediates for the preparation of polymers
[NASA-CASE-ARC-11405-2] c 27 N86-19455
Method and apparatus for rebalancing a REDOX flow cell system
[NASA-CASE-LEW-14127-1] c 33 N86-20680
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[NASA-CASE-NPO-17068-1-CU] c 35 N88-29151
Metal etching composition
[NASA-CASE-MFS-29576-1] c 25 N92-25399
Guanidine based vehicle/binders for use with oxides, metals, and ceramics
[NASA-CASE-LEW-15314-2] c 27 N93-28423
- METASTABLE STATE**
Stabilization of He(2a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- METEORITE COLLISIONS**
Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
Method of and device for determining the characteristics and flux distribution of micrometeorites — scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130
- METEORITES**
Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018
- METEORITIC DAMAGE**
Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797
- METEOROID HAZARDS**
Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
- METEOROID PROTECTION**
Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
Ablative shielding for hypervelocity projectiles
[NASA-CASE-MS-C-21884-1] c 27 N93-29088
- METEOROIDS**
Apparatus for photographing meteors
[NASA-CASE-LAR-10226-1] c 14 N73-19419
Meteoroid capture cell construction
[NASA-CASE-MS-C-12423-1] c 91 N76-30131
Thermally isolated deployable shield for spacecraft
[NASA-CASE-MFS-28524-1] c 18 N91-25167
- METEOROLOGICAL BALLOONS**
Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007
- METHANE**
Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897
Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
Bis(4-(3,4-dimethylenepyrrolidyl)-phenyl) methane
[NASA-CASE-LAR-13965-1-CU] c 23 N90-21118
- METHOD OF CHARACTERISTICS**
Shock-free supersonic elliptic nozzles and method of forming same
[NASA-CASE-LAR-14054-1] c 20 N94-15947
- METHYL ALCOHOL**
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
- METHYL COMPOUNDS**
Process for producing tris (n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
Polymer of phosphonylmethyl-2,4- and -2,6-diamino benzene and polyfunctional monomer
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- The 1-((diorganoxyphosphonyl)methyl)-2,4- and -2,6-diamido benzenes
[NASA-CASE-ARC-11425-4] c 23 N90-20133
- Some 1-((diorganoxyphosphonyl)methyl)-2,4- and -2,6-dinitro-benzenes
[NASA-CASE-ARC-11425-3] c 23 N90-23475
- Methyl substituted polyimides containing carbonyl and ether connecting groups
[NASA-CASE-LAR-14351-1] c 27 N92-33015
- METHYLENE**
Carboranyl-methylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- Process for crosslinking methylene-containing aromatic polymers with ionizing radiation
[NASA-CASE-LAR-13448-1] c 27 N90-21198
- METRIC SPACE**
General method of pattern classification using the two-domain theory
[NASA-CASE-MS-C-21737-1] c 61 N91-13911
- MICHELSON INTERFEROMETERS**
Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
- Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
- Multispectral imaging system
[NASA-CASE-MS-C-12404-1] c 23 N73-13661
- Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391
- MICROANALYSIS**
Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- MICROBALANCES**
Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180
- Microbalance --- for measuring particle mass
[NASA-CASE-MS-C-11242] c 35 N78-17358
- MICROBALLOONS**
Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- Method and apparatus for producing microshells
[NASA-CASE-NPO-16635-1-CU] c 31 N91-32240
- MICROBIOLOGY**
Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284
- Apparatus for microbiological sampling --- including automatic swabbing
[NASA-CASE-LAR-11069-1] c 35 N75-12272
- Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502
- Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330
- Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
- Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
- Kinetic tetrazolium microtiter assay
[NASA-CASE-MS-C-21979-1] c 51 N93-17049
- MICROCHANNELS**
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
- MICROCRACKS**
System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- Semi-interpenetrating polymer network for tougher and more microcracking resistant high temperature polymers
[NASA-CASE-LAR-13925-2] c 27 N93-11059
- Method and apparatus for evaluating multilayer objects for imperfections
[NASA-CASE-LAR-14581-1-SB] c 38 N93-12204
- A tough high performance composite matrix
[NASA-CASE-LAR-14338-1] c 24 N93-13416
- MICROELECTRONICS**
Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783
- Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762
- Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
- Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396
- Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884
- Method for anisotropic etching in the manufacture of semiconductor devices
[NASA-CASE-MS-C-21631-1] c 75 N94-20491
- MICROFIBERS**
Small conductive particle sensor --- microfiber size determination
[NASA-CASE-LAR-12552-1] c 35 N82-11431
- MICROFILMS**
Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788
- MICROGRAVITY**
Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
- Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
- Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MS-C-18852-1] c 37 N85-29283
- Improved method and apparatus for waste collection and storage
[NASA-CASE-MS-C-21025-1] c 31 N87-25495
- Gas particle radiator
[NASA-CASE-LEW-14297-1] c 35 N89-12048
- Don/doff support stand for use with rear entry space suits
[NASA-CASE-MS-C-21364-1] c 54 N89-13889
- Apparatus for mixing solutions in low gravity environments
[NASA-CASE-MFS-26047-1] c 29 N90-21209
- Acoustic convective system
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- Acoustic transducer apparatus with reduced thermal conduction
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- Tank gauging apparatus and method
[NASA-CASE-MS-C-21059-2] c 35 N91-15511
- Spiral vane bioreactor
[NASA-CASE-MS-C-21361-1] c 51 N91-21701
- Sample positioning in microgravity
[NASA-CASE-NPO-18448-1-CU] c 29 N92-30083
- Hollow fiber clinostat for simulating microgravity in cell culture
[NASA-CASE-MFS-28370-1] c 35 N92-31790
- Three-dimensional cell to tissue assembly process
[NASA-CASE-MS-C-21559-1] c 51 N92-34231
- Crystal growth in a microgravity environment
[NASA-CASE-MFS-28473-1] c 76 N93-14707
- Passive zero-gravity leg restraint
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- Protein crystal growth tray assembly
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- Cooling apparatus and couplings therefor
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- MICROINSTRUMENTATION**
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[NASA-CASE-NPO-10151] c 37 N78-17386
- MICROMETEORITES**
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[NASA-CASE-NPO-12127-1] c 91 N74-13130
- Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433
- MICROMETEORITIDS**
Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
- Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
- Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996
- Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
- Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
- Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MS-C-12109] c 18 N71-26285
- Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
- Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062
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[NASA-CASE-MFS-23008-1] c 35 N78-18390
- MICROMETERS**
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
- MICROMINIATURIZATION**
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[NASA-CASE-XLA-04556] c 14 N69-27484
- MICROORGANISMS**
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[NASA-CASE-GSC-10007] c 18 N71-16046
- Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395
- Measurement of gas production of microorganisms --- using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527
- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
- Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
- Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
- Biofilm monitoring coupon system and method of use
[NASA-CASE-MS-C-21585-1] c 51 N91-31755
- Regenerable biocide delivery unit
[NASA-CASE-MS-C-21763-1-SB] c 51 N93-18351
- MICROPARTICLES**
Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
- Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561
- MICROPHONES**
Audio signal processor Patent
[NASA-CASE-MS-C-12223-1] c 07 N71-26181
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
- High-temperature microphone system --- for measuring pressure fluctuations in gases at high temperature
[NASA-CASE-LAR-12375-1] c 32 N79-24203
- Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975
- Carbon granule probe microphone for leak detection --- recovery boilers
[NASA-CASE-NPO-16027-1] c 35 N85-21597
- Measurement of waves in flows across a surface
[NASA-CASE-NPO-17479-1-CU] c 34 N91-13658
- High temperature fiber optic microphone having a pressure-sensing reflective membrane under tensile stress
[NASA-CASE-LAR-14402-1-CU] c 74 N92-33017
- Vacuum-isolation vessel and method for measurement of thermal noise in microphones
[NASA-CASE-LAR-14567-1-CU] c 33 N92-33021
- Fiber optic microphone having a pressure sensing reflective membrane and a voltage source for calibration purpose
[NASA-CASE-LAR-14402-2-CU] c 71 N93-24602
- Head related transfer function pseudo-stereophony
[NASA-CASE-ARC-11919-1-NP] c 71 N94-23312

MICROPOROSITY

Microporous structure with layered interstitial surface treatment, and method and apparatus for preparation thereof

[NASA-CASE-MSC-21487-1] c 25 N92-33009

Method for preparation of a microporous structure with layered interstitial surface treatment

[NASA-CASE-MSC-21487-2] c 24 N93-29023

MICROPROCESSORS

Microcomputerized electric field meter diagnostic and calibration system

[NASA-CASE-KSC-11035-1] c 35 N78-28411

Automatic multi-banking of memory for microprocessors

[NASA-CASE-NPO-15295-1] c 60 N85-21992

Predictive sensor method and apparatus

[NASA-CASE-SSC-00006-1] c 35 N91-13691

Rapidly quantifying the relative distention of a human bladder

[NASA-CASE-LAR-13901-2] c 52 N92-11621

Microprocessor control of multiple peak power tracking DC/DC converters for use with solar cell arrays

[NASA-CASE-GSC-13450-1] c 44 N92-23463

MICROSCOPES

Absolute focus lock for microscopes

[NASA-CASE-LAR-10184] c 14 N72-22445

Hand-held photomicroscope

[NASA-CASE-ARC-10468-1] c 14 N73-33361

Method of examining microcircuit patterns

[NASA-CASE-NPO-18299-1] c 33 N87-14594

Sample holder support for microscopes

[NASA-CASE-MFS-28420-1] c 37 N91-21545

Water window imaging x ray microscope

[NASA-CASE-MFS-28485-1] c 35 N92-29135

MICROSTRIP ANTENNAS

Multiple band circularly polarized microstrip antenna

[NASA-CASE-MSC-18334-1] c 32 N80-32604

Cavity-backed, micro-strip dipole antenna array

[NASA-CASE-MSC-18606-1] c 32 N82-11336

Parallel and series fed microstrip array with high efficiency and low cross polarization

[NASA-CASE-NPO-18678-1-CU] c 32 N93-28422

Planar microstrip YAGI antenna array

[NASA-CASE-NPO-17873-2-CU] c 32 N93-29507

MICROSTRIP TRANSMISSION LINES

Thin conformal antenna array for microwave power conversions

[NASA-CASE-NPO-13886-1] c 32 N78-24391

Cavity-backed, micro-strip dipole antenna array

[NASA-CASE-MSC-18606-1] c 32 N82-11336

Stripline feed for a microstrip array of patch elements with teardrop shaped probes

[NASA-CASE-NPO-17548-1-CU] c 32 N90-16104

Parallel and series fed microstrip array with high efficiency and low cross polarization

[NASA-CASE-NPO-18678-1-CU] c 32 N93-28422

MICROSTRUCTURE

Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride

[NASA-CASE-XLE-03940] c 18 N71-26153

Refractory metal base alloy composites

[NASA-CASE-XLE-03940-2] c 17 N72-28536

Diffusion welding — heat treatment of nickel alloys following single step vacuum welding process

[NASA-CASE-LEW-11388-2] c 37 N74-21055

Method of determining bond quality of power transistors attached to substrates — X ray inspection of junction microstructure

[NASA-CASE-MFS-21931-1] c 37 N75-26372

Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown

[NASA-CASE-MFS-23816-1] c 26 N80-23419

Method of making an ion beam sputter-etched ventricular catheter for hydrocephalus shunt

[NASA-CASE-LEW-13107-2] c 52 N84-23095

Ion beam sputter etching

[NASA-CASE-LEW-13899-1] c 31 N87-21160

High temperature electric arc furnace and method

[NASA-CASE-MFS-28281-1] c 09 N90-23415

Solidification processing of alloys using an applied electric field

[NASA-CASE-MFS-26083-1-CU] c 26 N90-26940

Variable magnification glancing incidence x ray telescope

[NASA-CASE-MFS-28013-2] c 89 N91-14096

MICROTHRUST

Annular slit colloid thruster Patent

[NASA-CASE-GSC-10709-1] c 28 N71-25213

Heated porous plug microthruster

[NASA-CASE-GSC-10640-1] c 28 N72-18766

MICROWAVE AMPLIFIERS

Temperature-compensating means for cavity resonator of amplifier Patent

[NASA-CASE-XNP-00449] c 14 N70-35220

Resonant isolator for maser amplifier

[NASA-CASE-NPO-15201-1] c 36 N83-35350

MICROWAVE ANTENNAS

Microwave power receiving antenna Patent

[NASA-CASE-MFS-20333] c 09 N71-13486

Low noise single aperture multimode monopulse antenna feed system Patent

[NASA-CASE-XNP-01735] c 07 N71-22750

Omnidirectional microwave spacecraft antenna Patent

[NASA-CASE-XLA-03114] c 09 N71-22888

Validation device for spacecraft checkout equipment Patent

[NASA-CASE-XKS-10543] c 07 N71-26292

Multi-purpose antenna employing dish reflector with plural coaxial horn feeds

[NASA-CASE-NPO-11264] c 07 N72-25174

Omnidirectional slot antenna for mounting on cylindrical space vehicle

[NASA-CASE-LAR-10163-1] c 09 N72-25247

Multiple reflection conical microwave antenna

[NASA-CASE-NPO-11661] c 07 N73-14130

Thin conformal antenna array for microwave power conversions

[NASA-CASE-NPO-13886-1] c 32 N78-24391

Cavity-backed, micro-strip dipole antenna array

[NASA-CASE-MSC-18606-1] c 32 N82-11336

MICROWAVE CIRCUITS

Quasi-optical microwave component Patent

[NASA-CASE-ERC-10011] c 07 N71-29065

Microwave integrated circuit for Josephson voltage standards

[NASA-CASE-MFS-23845-1] c 33 N81-17348

Laser activated MTOS microwave device

[NASA-CASE-NPO-16112-1] c 33 N86-19516

Universal nondestructive mm-wave integrated circuit test fixture

[NASA-CASE-LEW-14746-1] c 33 N91-14552

MICROWAVE COUPLING

Indexing microwave switch Patent

[NASA-CASE-XNP-06507] c 09 N71-23548

Maser cavity servo-tuning system

[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143

MICROWAVE EQUIPMENT

Array phasing device Patent

[NASA-CASE-ERC-10046] c 10 N71-18722

Broadband microwave waveguide window Patent

[NASA-CASE-XNP-08880] c 09 N71-24808

Dual frequency microwave reflex feed

[NASA-CASE-NPO-13091-1] c 09 N73-12214

Resonant waveguide stark cell — using microwave spectrometers

[NASA-CASE-LAR-11352-1] c 33 N75-26245

Refrigerated coaxial coupling — for microwave equipment

[NASA-CASE-NPO-13504-1] c 33 N75-30430

Microwave dichroic plate

[NASA-CASE-GSC-12171-1] c 33 N79-28416

Instrumentation for sensing moisture content of material using a transient thermal pulse

[NASA-CASE-NPO-15494-2] c 35 N85-34373

Three point lead screw positioning apparatus for a cavity tuning plate

[NASA-CASE-LEW-15216-1] c 37 N94-20375

MICROWAVE FILTERS

High power microwave power divider Patent

[NASA-CASE-NPO-11031] c 07 N71-33606

High-Q bandpass resonators utilizing bandstop resonator pairs

[NASA-CASE-GSC-10990-1] c 09 N73-26195

MICROWAVE FREQUENCIES

Varactor high level mixer

[NASA-CASE-XGS-02171] c 09 N69-24324

Voltage tunable Gunn-type microwave generator Patent

[NASA-CASE-XER-07894] c 09 N71-18721

Composite antenna feed

[NASA-CASE-GSC-11046-1] c 07 N73-28013

MICROWAVE OSCILLATORS

Magnetically actuated tuning method for Gunn oscillators

[NASA-CASE-NPO-12106] c 09 N73-15235

Electron beam controller — using magnetic field to refocus spent electron beam in microwave oscillator tube

[NASA-CASE-LEW-11617-1] c 33 N74-10195

Low noise cryogenic dielectric resonator oscillator

[NASA-CASE-NPO-17157-1-CU] c 33 N88-26596

Optically-switched submillimeter-wave oscillator and radiator

[NASA-CASE-NPO-18547-1-CU] c 33 N94-17324

MICROWAVE RADIOMETERS

Method and means for providing an absolute power measurement capability Patent

[NASA-CASE-ERC-11020] c 14 N71-26774

Electromagnetic power absorber

[NASA-CASE-NPO-13830-1] c 32 N80-14281

Microwave limb sounder — measuring trace gases in the upper atmosphere

[NASA-CASE-NPO-14544-1] c 46 N82-12685

CAT altitude avoidance system

[NASA-CASE-NPO-15351-1] c 06 N83-10040

System for indicating fuel-efficient aircraft altitude

[NASA-CASE-NPO-15351-2] c 06 N84-34443

Microwave temperature profiler for clear air turbulence prediction

[NASA-CASE-NPO-18115-1-CU] c 47 N92-29148

Miniature modular microwave end-to-end receiver

[NASA-CASE-LAR-10305] c 32 N93-29087

MICROWAVE REFLECTOMETERS

Reflectometer for receiver input impedance match measurement Patent

[NASA-CASE-XNP-10843] c 07 N71-11267

Microwave flaw detector Patent

[NASA-CASE-ARC-10009-1] c 15 N71-17822

MICROWAVE RESONANCE

Dual resonant cavity absorption cell Patent

[NASA-CASE-LAR-10305] c 14 N71-26137

MICROWAVE SCATTERING

Almond test body — for microwave anechoic chambers

[NASA-CASE-LAR-13747-1-CU] c 32 N89-28672

MICROWAVE SENSORS

Method and apparatus for sensor fusion

[NASA-CASE-MSC-21334-1] c 32 N91-25317

MICROWAVE SWITCHING

Gyrator type circuit Patent

[NASA-CASE-XAC-10608-1] c 09 N71-12517

Microwave switching power divider — antenna feeds

[NASA-CASE-GSC-12420-1] c 33 N82-16340

MICROWAVE TRANSMISSION

Frequency translating phase conjugation circuit for active retrodirective antenna array — microwave transmission

[NASA-CASE-NPO-14536-1] c 32 N81-14185

Waveguide cooling system

[NASA-CASE-NPO-15401-1] c 32 N83-27085

MICROWAVE TUBES

Electrostatic collector for charged particles

[NASA-CASE-LEW-11192-1] c 09 N73-13208

MICROWAVES

Parametric microwave noise generator Patent

[NASA-CASE-XER-11019] c 09 N71-23598

Method and apparatus for optical modulating a light signal Patent

[NASA-CASE-GSC-10216-1] c 23 N71-26722

Waveguide mixer

[NASA-CASE-ERC-10179] c 07 N72-20141

Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver

[NASA-CASE-MFS-21470-1] c 44 N74-19870

Wide power range microwave feedback controller

[NASA-CASE-GSC-12146-1] c 33 N78-32340

Microwave power transmission beam safety system

[NASA-CASE-NPO-14224-1] c 33 N80-18287

Doppler radar having phase modulation of both transmitted and reflected return signals

[NASA-CASE-MSC-18675-1] c 32 N84-22820

Beam forming network

[NASA-CASE-NPO-15743-1] c 32 N85-29118

Precision tunable resonant microwave cavity

[NASA-CASE-LEW-13935-1] c 33 N87-21234

Microwave field effect transistor

[NASA-CASE-GSC-12442-2] c 33 N90-20282

Apparatus and method for cellulose processing using microwave pretreatment

[NASA-CASE-MSC-21936-1-SB] c 25 N93-22036

MIDAIR COLLISIONS

Apparatus for aiding a pilot in avoiding a midair collision between aircraft

[NASA-CASE-LAR-10717-1] c 21 N73-30641

MILLIMETER WAVES

Millimeter wave antenna system Patent Application

[NASA-CASE-GSC-10949-1] c 07 N71-28965

Millimeter wave pumped parametric amplifier

[NASA-CASE-GSC-11617-1] c 33 N74-32660

Millimeter-wave monolithic diode-grid frequency multiplier

[NASA-CASE-NPO-17258-1-CU] c 33 N91-14551

Universal nondestructive mm-wave integrated circuit test fixture

[NASA-CASE-LEW-14746-1] c 33 N91-14552

Whiskerless Schottky diode

[NASA-CASE-GSC-13063-2-CU] c 33 N92-16197

Planar varactor frequency multiplier devices with blocking barrier

[NASA-CASE-NPO-18428-1-CU] c 33 N92-23464

Monolithic mm-wave phase shifter using optically activated superconducting switches

[NASA-CASE-LEW-14878-1] c 74 N92-28571

- Planar varactor frequency multiplier devices with blocking barrier
[NASA-CASE-NPO-18428-1-CU] c 33 N94-23821
- MILLING**
Selective formation of porous silicon
[NASA-CASE-NPO-18735-1-CU] c 27 N94-15960
- MILLING (MACHINING)**
Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319
Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 31 N83-27058
- MILLING MACHINES**
Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905
- MIMD (COMPUTERS)**
Special purpose parallel computer architecture for real-time control and simulation in robotic applications
[NASA-CASE-NPO-17629-1-CU] c 60 N93-29608
- MINERAL DEPOSITS**
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
- MINERAL METABOLISM**
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
- MINERALS**
Active synthetic soil
[NASA-CASE-MSC-21954-1-NP] c 51 N93-19054
- MINES (EXCAVATIONS)**
Mining volume measurement system
[NASA-CASE-LAR-13519-1] c 35 N88-23963
- MINIATURE ELECTRONIC EQUIPMENT**
Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
- MINIATURIZATION**
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
Miniature carbon dioxide sensor and methods
[NASA-CASE-MSC-13332-1] c 14 N72-21408
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
Thumb-actuated two-axis controller
[NASA-CASE-ARC-11372-1] c 08 N86-27288
Miniature traveling wave tube and method of making
[NASA-CASE-LEW-14520-1] c 33 N90-22724
Reflection oscillators employing series resonant crystals
[NASA-CASE-GSC-13173-1] c 33 N90-23635
Miniaturization of flight deflection measurement system
[NASA-CASE-LAR-13628-1] c 35 N90-23707
Method of making single crystal fibers
[NASA-CASE-LEW-14921-1] c 24 N91-13502
Laser velocimeter for near-surface measurements
[NASA-CASE-ARC-11917-1] c 35 N91-15520
Large area projection liquid-crystal video display system with inherent grid pattern optically removed
[NASA-CASE-NPO-16932-2-CU] c 74 N93-13711
Miniature modular microwave end-to-end receiver
[NASA-CASE-NPO-18713-1-CU] c 32 N93-29087
- MINING**
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722
- MINORITY CARRIERS**
Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- MIRRORS**
Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03844] c 16 N71-18614
Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Optical range finder having nonoverlapping complete images
[NASA-CASE-MSC-12105-1] c 14 N72-21409
Optical system support apparatus
[NASA-CASE-XER-07896-2] c 23 N72-22673
Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189
Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391
Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N84-23248
Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 74 N86-20124
Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N86-28732
Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1-CU] c 74 N86-33138
Self-clamping arc light reflector for welding torch
[NASA-CASE-MFS-29207-1] c 74 N87-25843
Motion detection, novelty filtering, and target tracking using an interferometric technique with a GaAs phase conjugate mirror
[NASA-CASE-NPO-17784-1-CU] c 74 N91-13998
Wide acceptance angle, high concentration ratio, optical collector
[NASA-CASE-MFS-28295-1] c 74 N91-13999
Method and apparatus for phasing segmented mirror arrays
[NASA-CASE-NPO-18095-1-CU] c 74 N92-29122
Water window imaging x ray microscope
[NASA-CASE-MFS-28485-1] c 35 N92-29135
Method for advanced material characterization by laser induced eddy current imaging
[NASA-CASE-GSC-13386-1] c 38 N92-29154
Multispectral variable magnification glancing incidence x ray telescope
[NASA-CASE-MFS-28013-4] c 89 N92-33012
Quantum well, beam deflecting surface emitting lasers
[NASA-CASE-NPO-18243-1-CU] c 36 N93-13418
Self-collimated unstable resonator semiconductor laser
[NASA-CASE-NPO-18386-1-CU] c 36 N93-18277
Rotary encoding device
[NASA-CASE-GSC-13556-1] c 61 N94-15943
Wide-angle imaging system with fiberoptic components providing angle-dependent virtual material stops
[NASA-CASE-NPO-18146-1-CU] c 74 N94-20345
- MIS (SEMICONDUCTORS)**
Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- MISALIGNMENT**
Alignment positioning mechanism
[NASA-CASE-MSC-21502-1] c 37 N91-21543
- MISSILE CONTROL**
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
Rotatable non-circular forebody flow controller
[NASA-CASE-LAR-14212-1-CU] c 05 N91-31140
- MISSILE LAUNCHERS**
Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353
Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043
- MISSILE STRUCTURES**
Missile rolling tail brake torque system — simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 15 N84-16231
- MISSILES**
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100
- MITOSIS**
Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- MIXERS**
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
Planar oscillatory stirring apparatus
[NASA-CASE-MFS-26002-1-CU] c 35 N86-26598
Remotely controllable mixing system
[NASA-CASE-MFS-28153-1] c 31 N86-32589
Dual-fuel, dual-mode rocket engine
[NASA-CASE-LAR-13773-1] c 20 N90-19298
Drop deployment system for crystal growth apparatus
[NASA-CASE-MFS-28422-1] c 29 N91-17250
- MIXING**
Remotely controllable mixing system
[NASA-CASE-MFS-28153-1] c 31 N86-32589
Cellular thermosetting fluorodiepoxy polymers
[NASA-CASE-GSC-13008-2] c 27 N90-16949
Apparatus for mixing solutions in low gravity environments
[NASA-CASE-MFS-26047-1] c 29 N90-21209
- MIXING CIRCUITS**
Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141
- MIXING LAYERS (FLUIDS)**
Jet mixer noise suppressor using acoustic feedback
[NASA-CASE-LEW-15170-1] c 71 N93-28953
- MIXTURES**
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
Process for producing tris (n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
Preparing composite materials from matrices of processable aromatic polyimide thermoplastic blends
[NASA-CASE-LAR-14107-1] c 24 N91-25200
Ethynyl terminated imidothioethers and resins therefrom
[NASA-CASE-LAR-13910-2-CU] c 27 N91-31307
- MOBILE COMMUNICATION SYSTEMS**
Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390
- MOBILITY**
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N87-29118
Controlled method of reducing electrophoretic mobility of various substances
[NASA-CASE-MFS-26049-1-NP] c 25 N89-28603
Polymer-coated surfaces to control surface zeta potential
[NASA-CASE-MFS-26050-1] c 27 N92-25397
Controlled method of reducing electrophoretic mobility of macromolecules, particles, or cells
[NASA-CASE-MFS-26049-2-NP] c 25 N92-28728
- MODE TRANSFORMERS**
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676
Direct current transformer
[NASA-CASE-MFS-23659-1] c 33 N79-17133
- MODELS**
Dual strain gage balance system for measuring light loads
[NASA-CASE-LAR-14419-1] c 35 N92-10185
- MODEMS**
Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
- MODES (STANDING WAVES)**
Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
- MODULATION**
Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

- Air modulation apparatus
[NASA-CASE-LEW-13524-1] c 07 N84-33410
- Modulated voltage metastable ionization detector
[NASA-CASE-ARC-11503-1] c 35 N85-34374
- Doppler radar with multiphase modulation of transmitted and reflected signal
[NASA-CASE-MS-18808-1] c 32 N90-20280
- MODULATORS**
- Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
- Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
- Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
- Full wave modulator-demodulator amplifier apparatus — for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
- Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
- Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589
- Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
- Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- Electro-optic resonant phase modulator
[NASA-CASE-NPO-18702-1-CU] c 74 N92-23551
- Non-mechanical optical path switching and its application to dual beam spectroscopy including gas filter correlation radiometry
[NASA-CASE-LAR-14588-1-CU] c 74 N92-29117
- Method for advanced material characterization by laser induced eddy current imaging
[NASA-CASE-GSC-13386-1] c 38 N92-29154
- Full complex modulation using two one-parameter spatial light modulators
[NASA-CASE-MS-22255-1] c 74 N93-28135
- MODULES**
- Modular encoder
[NASA-CASE-NPO-10629] c 08 N72-18184
- Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447
- Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- Shuttle-launch triangular space station
[NASA-CASE-MS-20676-1] c 18 N86-24729
- Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-2] c 18 N89-25266
- System for simultaneously loading program to master computer memory devices and corresponding slave computer memory devices
[NASA-CASE-MS-21387-1] c 61 N93-18855
- MODULUS OF ELASTICITY**
- Glass compositions with a high modulus of elasticity — nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
- High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- High modulus rare earth and beryllium containing silicate glass compositions — for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- High resistance and raised modulus carbon fibers
[NASA-TM-76884] c 24 N85-25436
- MOIRE EFFECTS**
- Three dimensional moire pattern alignment
[NASA-CASE-MS-21416-1] c 74 N91-32922
- MOISTURE**
- Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212
- MOISTURE CONTENT**
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- Moisture content and gas sampling device
[NASA-CASE-MS-18866-1] c 35 N85-29213
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
- Wet atmospheric generation apparatus
[NASA-CASE-MFS-28177-1] c 35 N91-21496
- MOISTURE METERS**
- Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484

- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
- MOISTURE RESISTANCE**
- Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282
- MOLDING MATERIALS**
- Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
- Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
- Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
- Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
- Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177
- Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
- Molded composite pyrogen igniter for rocket motors — solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
- Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
- Improved ceramic slip casting technique — application to aircraft model fabrication
[NASA-CASE-LAR-14471-1] c 27 N94-20377
- MOLDS**
- Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
- Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
- Molding apparatus — for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920
- Evacuated, displacement compression mold — of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111
- Method of making an apertured casting — using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- MOLECULAR BEAM EPITAXY**
- MBE growth technology for high quality strained III-V layers
[NASA-CASE-NPO-17723-1-CU] c 76 N90-26685
- Method of forming three-dimensional semiconductor structures
[NASA-CASE-NPO-17835-1-CU] c 76 N90-27518
- Method of fabricating germanium and gallium arsenide devices
[NASA-CASE-GSC-13265-1] c 76 N91-14066
- Fabrication of nanometer single crystal metallic CoSi₂ structures on Si
[NASA-CASE-NPO-17736-2-CU] c 24 N92-18561
- Growth of III-V films by control of MBE growth front stoichiometry
[NASA-CASE-NPO-17724-1-CU] c 76 N92-22035
- Method of forming silicon structures with selectable optical characteristics
[NASA-CASE-NPO-18625-1-CU] c 76 N92-30102
- INAs hole-immobilized doping superlattice long-wave-infrared detector
[NASA-CASE-NPO-17880-1-CU] c 76 N93-11056
- Method of forming silicon structures with selectable optical characteristics
[NASA-CASE-NPO-18625-1-CU] c 76 N94-23972
- MOLECULAR BEAMS**
- Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
- Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
- MOLECULAR CHAINS**
- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- Ladder polymers for use as high temperature stable resins or coatings
[NASA-CASE-LEW-14203-1] c 27 N91-15402
- MOLECULAR DYNAMICS**
- Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
- MOLECULAR GASES**
- Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
- MOLECULAR PUMPS**
- Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
- Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294

- MOLECULAR RELAXATION**
- Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887
- MOLECULAR ROTATION**
- Diatom infrared gasdynamic laser — for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426
- MOLECULAR SPECTRA**
- Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705
- MOLECULAR SPECTROSCOPY**
- Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
- MOLECULAR STRUCTURE**
- Light weight polymer matrix composite material
[NASA-CASE-LEW-14734-1] c 24 N89-23623
- Aromatic polyimides containing a dimethylsilane-linked dianhydride
[NASA-CASE-LAR-14198-1] c 27 N90-26956
- MOLECULAR WEIGHT**
- Process of end-capping a polyimide system
[NASA-CASE-LAR-13135-1] c 27 N86-19456
- Process for crosslinking and extending conjugated diene-containing polymers
[NASA-CASE-LAR-13452-1] c 27 N87-22848
- Aromatic polyimides containing a dimethylsilane-linked dianhydride
[NASA-CASE-LAR-14198-1] c 27 N90-26956
- Addition polyimides with enhanced processability
[NASA-CASE-LEW-15043-1] c 27 N91-32230
- Processing for maximizing the level of crystallinity in linear aromatic polyimides
[NASA-CASE-LAR-14481-1] c 25 N92-16043
- Vinyl capped addition polyimides
[NASA-CASE-LEW-15027-2] c 27 N92-24053
- Polyimideazoles via aromatic nucleophilic displacement
[NASA-CASE-LAR-14145-1] c 27 N92-28751
- Polyimide molding powder, coating, adhesive, and matrix resin
[NASA-CASE-LAR-14163-1] c 27 N92-33014
- Polyimides containing the cyclobutene-3,4-dione moiety
[NASA-CASE-LAR-14753-1] c 27 N93-25999
- Polybenzoxazole via aromatic nucleophilic displacement
[NASA-CASE-LAR-14606-1-CU] c 23 N94-20540
- Phenylethynyl-terminated poly(arylene ethers)
[NASA-CASE-LAR-14797-1] c 27 N94-23307
- MOLECULES**
- Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- Controlled method of reducing electrophoretic mobility of various substances
[NASA-CASE-MFS-26049-1-NP] c 25 N89-28603
- Molecules with enhanced electronic polarizabilities based on defect-like states in conjugated polymers
[NASA-CASE-NPO-17633-1-CU] c 27 N91-27372
- Controlled method of reducing electrophoretic mobility of macromolecules, particles, or cells
[NASA-CASE-MFS-26049-2-NP] c 25 N92-28728
- MOLTEN SALT ELECTROLYTES**
- Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
- Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643
- MOLTEN SALTS**
- Molten salt pyrolysis of latex — synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261
- Organic cathode for a secondary battery
[NASA-CASE-NPO-17604-1-CU] c 33 N91-14536
- MOLYBDENUM**
- Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
- MOLYBDENUM ALLOYS**
- High temperature creep and oxidation resistant chromium silicide matrix alloy containing molybdenum
[NASA-CASE-LEW-15697-1] c 26 N93-29172
- MOLYBDENUM CARBIDES**
- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
- MOLYBDENUM DISULFIDES**
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- MOMENTS OF INERTIA**
- Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992

MOMENTUM

- Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
- Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990

MOMENTUM TRANSFER

- Fluid-loop reaction system
[NASA-CASE-NPO-17204-1-CU] c 34 N91-25380

MONATOMIC GASES

- Atomic hydrogen storage --- cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402

MONAURAL SIGNALS

- Head related transfer function pseudo-stereophony
[NASA-CASE-ARC-11919-1-NP] c 71 N94-23312

MONITORS

- Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
- Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
- Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
- Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
- Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
- Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
- Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
- Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15433-1] c 32 N85-29117
- Optical distance measuring instrument
[NASA-CASE-GSC-12761-1] c 74 N86-32266
- Laser schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N87-25862
- Welding monitoring system
[NASA-CASE-MFS-29177-1] c 37 N88-14362
- Radio Frequency (RF) strain monitor
[NASA-CASE-LAR-13705-1] c 39 N88-25011
- Television monitor field shifter and an opto-electronic method for obtaining a stereo image of optimal depth resolution and reduced depth distortion on a single screen
[NASA-CASE-NPO-17249-1-CU] c 32 N89-28676
- Airplane takeoff and landing performance monitoring system
[NASA-CASE-LAR-13734-1-CU] c 09 N90-20096
- Nonintrusive method and apparatus for monitoring the cure of polymeric materials
[NASA-CASE-LAR-13465-1] c 27 N90-23544
- Method and apparatus for characterizing reflected ultrasonic pulses
[NASA-CASE-LAR-13966-1] c 71 N91-27914
- Airplane takeoff and landing performance monitoring system
[NASA-CASE-LAR-13854-1-CU] c 04 N91-31120
- Biofilm monitoring coupon system and method of use
[NASA-CASE-MSC-21585-1] c 51 N91-31755
- Accelerometer method and apparatus for integral display and control functions
[NASA-CASE-MSC-21961-1] c 35 N92-29952
- Passive fetal monitoring sensor
[NASA-CASE-LAR-14088-1-CU] c 35 N92-33016
- Operator-tailored adjustable control station with movable monitors and cameras for viewing systems in robotics and teleoperations
[NASA-CASE-NPO-17837-1-CU] c 74 N93-17273

MONOCHROMATIC RADIATION

- Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
- Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
- Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900

MONOCHROMATORS

- Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
- Color television system
[NASA-CASE-MSC-12146-1] c 07 N72-17109
- X-ray monochromator
[NASA-CASE-MFS-28492-1] c 74 N93-14711

MONOMERS

- Pressure transducer --- using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
- Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
- Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
- Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N84-27885
- Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727
- Ethynyl terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-2] c 27 N87-16907
- Substituted 1,1,1-Triaryl-2,2,2-Trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-1] c 23 N88-26404
- Polyphenylquinoxalines containing alkylendioxy groups
[NASA-CASE-LAR-13601-1-CU] c 27 N89-14337
- New Condensation polyimides containing 1,1,1-Triaryl-2,2,2-trifluoroethane structures
[NASA-CASE-LEW-14346-1] c 23 N90-19300
- Addition polyimides with enhanced processability
[NASA-CASE-LEW-15043-1] c 27 N91-32230
- Polybenzimidazoles via aromatic nucleophilic displacement
[NASA-CASE-LAR-14643-1] c 27 N92-29953
- Poly(1,2,4-triazole) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14440-1] c 23 N93-18283
- High temperature polymer from maleimide-acetylene terminated monomers
[NASA-CASE-LAR-14475-1] c 27 N93-19327
- Polyimides with improved compression moldability
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Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535
Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
Nickel base alloy --- for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280

NITRO COMPOUNDS

Nicral ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505

Nickel base coating alloy
[NASA-CASE-LEW-13834-1] c 26 N87-14482

Heat treatment for superalloy
[NASA-CASE-LEW-14262-1] c 26 N87-28647

NICKEL CADMIUM BATTERIES
Heat flow calorimeter --- measures output of Ni-Cd batteries
[NASA-CASE-GSC-11434-1] c 34 N74-27859
Method and apparatus for conditioning of nickel-cadmium batteries
[NASA-CASE-MFS-23270-1] c 44 N78-25531

NICKEL COATINGS
Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599

NICKEL COMPOUNDS
Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
Brazing alloy
[NASA-CASE-XNP-03678] c 26 N75-27127

NICKEL HYDROGEN BATTERIES
Oxygen recombination in individual pressure vessel nickel-hydrogen batteries
[NASA-CASE-LEW-13822-1] c 44 N86-25874

NICKEL PLATE
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830

NICKEL ZINC BATTERIES
Additive for zinc electrodes --- electric automobiles
[NASA-CASE-LEW-13286-1] c 33 N84-14422

NIOBIUM
Trialkyl-dihaloantimony and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808
Method for producing edge geometry superconducting tunnel junctions utilizing an NbN/MgO/NbN thin film structure
[NASA-CASE-NPO-17812-3-CU] c 76 N92-22041

NIOBIUM COMPOUNDS
Method of producing high T(subc) superconducting NBN films
[NASA-CASE-NPO-16681-1-CU] c 76 N88-24543
Edge geometry superconducting tunnel junctions utilizing an NbN/MgO/NbN thin film structure
[NASA-CASE-NPO-17812-1-CU] c 76 N90-17456

NITINOL ALLOYS
Coupling device with improved thermal interface
[NASA-CASE-GSC-13251-1] c 37 N92-29120
Device for removing foreign objects from anatomic organs
[NASA-CASE-GSC-13306-1] c 52 N92-33032

NITRAMINE PROPELLANTS
Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255

NITRATION
The 1-((diorganoxyphosphonyl)-methyl)-2,4- and -2,6-diamido benzenes
[NASA-CASE-ARC-11425-4] c 23 N90-20133
Some 1-((diorganoxyphosphonyl)methyl)-2,4- and -2,6-dinitro-benzenes
[NASA-CASE-ARC-11425-3] c 23 N90-23475

NITRIC OXIDE
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298

NITRIDES
Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
Method of producing high T(subc) superconducting NBN films
[NASA-CASE-NPO-16681-1-CU] c 76 N88-24543
Edge geometry superconducting tunnel junctions utilizing an NbN/MgO/NbN thin film structure
[NASA-CASE-NPO-17812-1-CU] c 76 N90-17456

NITRIDING
Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-2] c 26 N88-14179

NITRILES
Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562
Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
Process for preparing phthalocyanine polymer from imide containing bisphthalonitrile
[NASA-CASE-ARC-11511-2] c 27 N87-21112

NITRO COMPOUNDS
Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096

NITROAMINES

- Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469
Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147

NITROGEN

- III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409

NITROGEN COMPOUNDS

- Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078

NITROGEN OXIDES

- Combustion engine — for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Combustion — low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151

NITROGEN TETROXIDE

- Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094

NITROGENATION

- Poly(1,3,4-oxadiazoles) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14427-1] c 23 N92-29141

NITROGUANIDINE

- Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699

NOBLE METALS

- GaAs Schottky barrier photo-responsive device and method of fabrication
[NASA-CASE-GSC-12816-1] c 76 N86-20150
Process for making a noble metal on tin oxide catalyst
[NASA-CASE-LAR-13741-1-SB] c 25 N90-20180

NOISE (STANDING WAVES)

- System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516

NOISE GENERATORS

- Pseudo-noise test set for communication system evaluation — test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426

NOISE MEASUREMENT

- Vacuum-isolation vessel and method for measurement of thermal noise in microphones
[NASA-CASE-LAR-14567-1-CU] c 33 N92-33021

NOISE METERS

- Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614
Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445

NOISE REDUCTION

- Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Cassegrainian antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
Audio signal processor Patent
[NASA-CASE-MSC-12223-1] c 07 N71-26181
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244
Gas turbine exhaust nozzle — for noise reduction
[NASA-CASE-LEW-11569-1] c 07 N74-15453
Totally confined explosive welding — apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490
Supersonic fan blading — noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226
Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270

Noise suppressor — for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts

- [NASA-CASE-LAR-11141-1] c 07 N74-32418
Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218
Television noise reduction device
[NASA-CASE-MSC-12607-1] c 32 N75-21485
Cascade plug nozzle — for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117
Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
Optical noise suppression device and method — laser light exposing film
[NASA-CASE-MSC-12640-1] c 74 N76-31998
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421
Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
Acoustically swept rotor — helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
Multiple pure tone elimination strut assembly — air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
Comparator with noise suppression
[NASA-CASE-LAR-13151-1] c 33 N87-21235
Low-noise nozzle valve
[NASA-CASE-MFS-28383-1] c 34 N91-14563
Sound attenuation apparatus
[NASA-CASE-LAR-13968-1] c 71 N91-27913
Consecutive plate acoustic suppressor apparatus and methods
[NASA-CASE-LEW-15430-1] c 71 N93-17051
Multipath noise reduction spread spectrum signals
[NASA-CASE-NPO-18970-1-CU] c 32 N93-28126
Jet mixer noise suppressor using acoustic feedback
[NASA-CASE-LEW-15170-1] c 71 N93-28953
- NOISE TEMPERATURE**
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
- NOISE THRESHOLD**
Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696
- NONADIABATIC CONDITIONS**
Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- NONDESTRUCTIVE TESTS**
Determination of spot weld quality Patent
[NASA-CASE-XNP-02588] c 15 N71-18613
Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964
Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170
Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993
Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126

- Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279
Ultrasonic angle beam standard reflector — ultrasonic nondestructive inspection
[NASA-CASE-LAR-13153-1] c 71 N86-21276
Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-16337-1-CU] c 33 N87-22894
Acoustic emission frequency discrimination
[NASA-CASE-MSC-20467-1] c 35 N88-23966
Magneto acoustic emission apparatus for testing materials for embrittlement
[NASA-CASE-LAR-13817-1] c 26 N90-21170
Method of radiographic inspection of wooden members
[NASA-CASE-LAR-13724-1] c 38 N90-23756
Universal nondestructive mm-wave integrated circuit test fixture
[NASA-CASE-LEW-14746-1] c 33 N91-14552
A method and apparatus for indicating disbands in joint regions
[NASA-CASE-LAR-14626-1] c 38 N92-17859
Magnetic remanence method and apparatus to test materials for embrittlement
[NASA-CASE-LAR-13817-4] c 39 N92-29101
Method for advanced material characterization by laser induced eddy current imaging
[NASA-CASE-GSC-13386-1] c 38 N92-29154
Magneto acoustic emission method for testing materials for embrittlement
[NASA-CASE-LAR-13817-2] c 39 N92-29155
Method and apparatus for thermographically and quantitatively analyzing a structure for disbands and/or inclusions
[NASA-CASE-LAR-14559-1] c 38 N92-29829
Method and apparatus for evaluating multilayer objects for imperfections
[NASA-CASE-LAR-14581-1-SB] c 38 N93-12204
Rapid detection and quantification of features such as damage or flaws in composite and metallic structures
[NASA-CASE-LAR-14850-1-CU] c 38 N93-17048
Method for non-destructive estimation of waveguide directional coupler dimensions
[NASA-CASE-NPO-18454-1-CU] c 33 N93-18285
Spectroscopic wear detector
[NASA-CASE-LEW-15200-1] c 20 N93-18856
High speed thin plate fatigue crack monitor
[NASA-CASE-LAR-14816-1-SB] c 39 N93-19329
Method and apparatus for determination of material residual stress
[NASA-CASE-GSC-13451-1] c 39 N93-20118
- NONEQUILIBRIUM CONDITIONS**
Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720
- NONEQUILIBRIUM PLASMAS**
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884
- NONEQUILIBRIUM RADIATION**
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
- NONFLAMMABLE MATERIALS**
Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562
Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
- NONLINEAR FEEDBACK**
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373
Terminal slider control of nonlinear robotic systems
[NASA-CASE-NPO-18584-1-CU] c 37 N93-11177
- NONLINEAR FILTERS**
Apparatus for damping operator induced oscillations of a controlled system — flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493
- NONLINEAR OPTICS**
Molecules with enhanced electronic polarizabilities based on defect-like states in conjugated polymers
[NASA-CASE-NPO-17633-1-CU] c 27 N91-27372
- NONLINEAR SYSTEMS**
Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594
Split range transducer
[NASA-CASE-XLA-11189] c 10 N72-20222
Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439

- Terminal slider control of nonlinear robotic systems
[NASA-CASE-NPO-18584-1-CU] c 37 N93-11177
- NONLINEARITY**
Stereoscopic camera and viewing systems with undistorted depth presentation and reduced or eliminated erroneous acceleration and deceleration perceptions, or with perceptions produced or enhanced for special effects
[NASA-CASE-NPO-18028-1-CU] c 74 N92-16809
The adaptive neuron model: An architecture for the rapid learning of nonlinear topological transformations
[NASA-CASE-NPO-18579-1-CU] c 63 N93-11174
- NORMAL DENSITY FUNCTIONS**
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
- NOSE CONES**
Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
- NOSE WHEELS**
Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160
- NOSES (FOREBODIES)**
Rotatable non-circular forebody flow controller
[NASA-CASE-LAR-14212-1-CU] c 05 N91-31140
- NOTCH STRENGTH**
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
- NOTCH TESTS**
Vee-notching device --- with adjustable carriage
[NASA-CASE-MFS-20730-1] c 39 N74-13131
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
- NOTCHES**
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
- NOZZLE DESIGN**
Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711
Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637
Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660
Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
Scanning nozzle plating system --- for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376
Low-noise nozzle valve
[NASA-CASE-MFS-28383-1] c 34 N91-14563
Nozzle fabrication technique
[NASA-CASE-MSC-21299-2] c 37 N91-32508
Rocket engine nozzle attenuator
[NASA-CASE-MFS-28739-1] c 20 N93-28324
Welding nozzle position manipulator
[NASA-CASE-MFS-29837-1] c 37 N94-15882
Shock-free supersonic elliptic nozzles and method of forming same
[NASA-CASE-LAR-14054-1] c 20 N94-15947
- NOZZLE FLOW**
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
- Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129
Adjustable steam producing flexible orifice independent of fluid pressure
[NASA-CASE-NPO-17625-1-CU] c 34 N92-21724
- NOZZLE GEOMETRY**
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
Nozzle fabrication technique
[NASA-CASE-MSC-21299-1] c 20 N88-24684
Shock-free supersonic elliptic nozzles and method of forming same
[NASA-CASE-LAR-14054-1] c 20 N94-15947
- NOZZLE INSERTS**
Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967
Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088
- NOZZLES**
Welding nozzle position manipulator
[NASA-CASE-MFS-29837-1] c 37 N94-15882
- NUCLEAR EXPLOSION EFFECT**
Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
- NUCLEAR FUEL ELEMENTS**
Nuclear fuel elements
[NASA-CASE-XLE-00209] c 22 N73-32528
- NUCLEAR MAGNETIC RESONANCE**
Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
- NUCLEAR POWER PLANTS**
Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
- NUCLEAR PUMPED LASERS**
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307
- NUCLEAR PUMPING**
Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
- NUCLEAR REACTOR CONTROL**
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913
- NUCLEAR REACTORS**
Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891
High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182
Method for remotely powering a device such as a lunar rover
[NASA-CASE-LAR-14789-1] c 37 N94-20587
- NUCLEATE BOILING**
Method of improving heat transfer characteristics in a nucleate boiling process Patent
[NASA-CASE-XMS-04268] c 33 N71-16277
- NUCLEATION**
Crystal growth in a microgravity environment
[NASA-CASE-MFS-28473-1] c 76 N93-14707
- NUCLEOPHILES**
Polyphenylquinoxalines via aromatic nucleophilic displacement
[NASA-CASE-LAR-13988-1] c 23 N89-11814
Phenylethynyl endcapping reagents and reactive diluents
[NASA-CASE-LAR-14796-1] c 25 N93-31459
- NULL ZONES**
Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740
- NUMBER THEORY**
Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850
- NUMERICAL ANALYSIS**
Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701
- NUMERICAL CONTROL**
Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- Controller for computer control of brushless dc motors --- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013
Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681
Variable friction secondary seal for face seals
[NASA-CASE-LEW-14170-1] c 37 N86-25790
Spacecraft component heater control system
[NASA-CASE-MFS-28327-1] c 18 N89-28556
A digitally controlled system for effecting and presenting a selected electrical resistance
[NASA-CASE-MFS-29149-1] c 33 N90-19492
Computer access security code system
[NASA-CASE-NPO-17525-1-CU] c 60 N90-25583
Smart tunnel: Docking mechanism
[NASA-CASE-MSC-21360-1] c 18 N91-14374
A universal computer control system for motors
[NASA-CASE-NPO-17134-1-CU] c 33 N91-31528
Microprocessor control of multiple peak power tracking DC/DC converters for use with solar cell arrays
[NASA-CASE-GSC-13450-1] c 44 N92-23463
System for simultaneously loading program to master computer memory devices and corresponding slave computer memory devices
[NASA-CASE-MSC-21387-1] c 61 N93-18855
Numerical control fabrication technique for dynamic composite models
[NASA-CASE-LAR-14004-1] c 63 N93-18024
Valve malfunction detection apparatus
[NASA-CASE-MFS-29904-1] c 35 N93-29503
- NUMERICAL INTEGRATION**
Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
- NUSTATION**
Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
- NUSTATION DAMPERS**
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[NASA-CASE-GSC-12273-1] c 35 N80-21719
Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064
- NUTRIENTS**
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[NASA-CASE-MSC-21954-1-NP] c 51 N93-18054
- NUTRITION**
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[NASA-CASE-MSC-21953-1-NP] c 37 N93-17271
- NUTS (FASTENERS)**
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[NASA-CASE-XGS-01971] c 15 N71-15922
Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
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High-torque open-end wrench
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Floating nut retention system
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Tube coupling device
[NASA-CASE-MFS-25964-2] c 37 N87-22977
Quick application/release nut with engagement indicator
[NASA-CASE-MSC-21799-1] c 37 N92-29150
Slip joint connector
[NASA-CASE-MFS-28659-1] c 37 N93-17080
- O RING SEALS**
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[NASA-CASE-XNP-00214] c 15 N70-36908
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[NASA-CASE-LEW-12991-1] c 37 N81-24442
Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091
Resilient seal ring assembly with spring means applying force to wedge member --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N84-11497
Variable friction secondary seal for face seals
[NASA-CASE-LEW-14170-1] c 37 N86-25790
O-ring gasket test fixture
[NASA-CASE-MFS-28376-1] c 14 N91-21175

- Check valve with poppet dashpot/frictional damping mechanism
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- OBLIQUE WINGS**
Oblique-wing supersonic aircraft
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- OBSERVATION**
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[NASA-CASE-MFS-26008-1-CU] c 76 N88-14835
- OBSTACLE AVOIDANCE**
Method and apparatus for configuration control of redundant robots
[NASA-CASE-NPO-17801-1-CU] c 37 N91-21544
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[NASA-CASE-NPO-17852-1-CU] c 63 N92-33019
- OCCLUSION**
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- OCEAN CURRENTS**
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- OCEAN DATA ACQUISITIONS SYSTEMS**
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667
Method of measuring sea surface wave temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- OCEAN SURFACE**
Surface roughness measuring system — synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667
System and method for measuring ocean surface currents at locations remote from land masses using synthetic aperture radar
[NASA-CASE-NPO-17937-1-CU] c 43 N91-21621
- OCEAN THERMAL ENERGY CONVERSION**
Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542
- ODORS**
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[NASA-CASE-LAR-13680-1] c 35 N87-25561
- OFFGASSING**
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- OFFSHORE PLATFORMS**
Ocean thermal plant
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- OHMMETERS**
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[NASA-CASE-KSC-10242] c 15 N72-23497
Four-terminal electrical testing device — initiator bridge wire resistance
[NASA-CASE-MSC-21166-1] c 35 N87-25555
- OIL EXPLORATION**
Underwater seismic source — for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555
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- OIL RECOVERY**
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[NASA-CASE-NPO-11609-2] c 27 N77-31308
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[NASA-CASE-LEW-12217-1] c 43 N78-14452
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[NASA-CASE-NPO-14542-1] c 25 N82-23282
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- OILS**
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- OLIGOMERS**
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[NASA-CASE-LAR-14188-2] c 23 N91-14419
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[NASA-CASE-LAR-14796-1] c 25 N93-31459
- OMNIDIRECTIONAL ANTENNAS**
Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
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[NASA-CASE-LAR-10545-1] c 09 N72-21244
Omnidirectional slot antenna for mounting on cylindrical space vehicle
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- Cascaded VLSI neural network architecture for on-line learning
[NASA-CASE-NPO-18645-1-CU] c 63 N92-34240
Self-checking on-line testable static RAM
[NASA-CASE-NPO-17939-1-CU] c 60 N93-22032
- ONBOARD EQUIPMENT**
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[NASA-CASE-XLA-00118] c 05 N70-33285
Cryogenic storage system Patent
[NASA-CASE-XMS-04390] c 31 N70-41871
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[NASA-CASE-XMF-02433] c 14 N71-10616
Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085
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[NASA-CASE-GSC-10082-1] c 10 N72-20221
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[NASA-CASE-GSC-10814-1] c 03 N73-20039
Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114
- OPEN CHANNEL FLOW**
Monogroove heat pipe design: Insulated liquid channel with bridging wick
[NASA-CASE-MSC-20497-1] c 34 N85-29180
- OPENINGS**
Double face sealing device
[NASA-CASE-MFS-28521-1] c 37 N91-26542
- OPERATING TEMPERATURE**
Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
- OPERATIONAL AMPLIFIERS**
Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373
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[NASA-CASE-KSC-11170-1] c 33 N83-36356
Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
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[NASA-CASE-GSC-12958-1] c 33 N86-32624
- OPHTHALMOLOGY**
Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
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[NASA-CASE-LEW-12051-1] c 52 N75-33640
- OPTICAL ACTIVITY**
Monolithic mm-wave phase shifter using optically activated superconducting switches
[NASA-CASE-LEW-14878-1] c 74 N92-28571
- OPTICAL COMMUNICATION**
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[NASA-CASE-XGS-04480] c 16 N69-27491
Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913
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[NASA-CASE-NPO-13531-1] c 36 N76-24553
Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032
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[NASA-CASE-NPO-16256-1] c 32 N87-21207
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[NASA-CASE-KSC-11392-1] c 74 N90-22383
Closed-loop motor control using high-speed fiber optics
[NASA-CASE-MSC-21806-1] c 74 N92-17863
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Non-blocking crossbar permutation engine with constant routing latency
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- A scalable wrap-around shuffle exchange network with deflection routing
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- OPTICAL CORRELATORS**
Optical joint correlator for real-time image tracking and retinal surgery
[NASA-CASE-MSC-21509-1] c 74 N91-25840
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[NASA-CASE-NPO-18379-1-CU] c 74 N92-33022
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[NASA-CASE-NPO-18521-1-CU] c 74 N93-14404
Motion-sensitive optical correlator
[NASA-CASE-NPO-18769-1-CU] c 74 N93-28133
- OPTICAL COUPLING**
Automatic quadrature control and measuring system — using optical coupling circuitry
[NASA-CASE-MFS-21660-1] c 35 N74-21017
Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749
- OPTICAL DATA PROCESSING**
Optical data processing using paraboloidal mirror segments
[NASA-CASE-GSC-11296-1] c 23 N73-30666
Recorder/processor apparatus — for optical data processing
[NASA-CASE-GSC-11553-1] c 35 N74-15831
Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-18195
Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N83-31918
Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N86-21348
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[NASA-CASE-NPO-18983-1-CU] c 62 N94-17330
- OPTICAL DENSITY**
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[NASA-CASE-NPO-14402-1] c 52 N81-27783
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[NASA-CASE-MFS-28060-1] c 76 N87-25862
- OPTICAL DISKS**
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[NASA-CASE-GSC-13175-1] c 74 N92-29133
- OPTICAL EMISSION SPECTROSCOPY**
Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041
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[NASA-CASE-LAR-13963-1] c 76 N90-24150
- OPTICAL EQUIPMENT**
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[NASA-CASE-XGS-05534] c 23 N71-16355
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[NASA-CASE-XNP-08840] c 23 N71-16365
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[NASA-CASE-XLA-01907] c 14 N71-23268
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[NASA-CASE-XLA-04295] c 16 N71-24170
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[NASA-CASE-XGS-04173] c 19 N71-26674
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[NASA-CASE-HQN-10683] c 14 N71-34389
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[NASA-CASE-MFS-20249] c 15 N72-11386
Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
Borescope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
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- Attitude sensor
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- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
- Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
- Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950
- Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
- Method and apparatus for producing an image from a transparent object
[NASA-CASE-NPO-11989-1] c 74 N77-28932
- Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978
- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N83-36898
- Optical system
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- High-temperature, high-pressure optical cell
[NASA-CASE-MFS-26000-1] c 74 N87-14971
- Apparatus for precision focussing and positioning of a beam waist on a target
[NASA-CASE-ARC-11916-1-SB] c 74 N92-16811
- Dynamic aperture fringe discriminator
[NASA-CASE-NPO-18478-1-CU] c 74 N92-30084
- Feedback controlled optics with wavefront compensation
[NASA-CASE-NPO-18194-1-CU] c 74 N94-20305
- OPTICAL FIBERS**
- Method and apparatus for determining optical absorption and emission characteristics of a crystal or non-crystalline fiber
[NASA-CASE-LAR-13963-1] c 76 N90-24150
- Radiation sensitive area detection device and method
[NASA-CASE-MFS-28563-1] c 35 N91-25388
- Apparatus for precision focussing and positioning of a beam waist on a target
[NASA-CASE-ARC-11916-1-SB] c 74 N92-16811
- High temperature fiber optic microphone having a pressure-sensitive reflective membrane under tensile stress
[NASA-CASE-LAR-14402-1-CU] c 74 N92-33017
- An interferometer having fused optical fibers, and apparatus and method using the interferometer
[NASA-CASE-LAR-14640-1-CU] c 74 N93-17052
- Optical fiber strain sensor with improved linearity
[NASA-CASE-LAR-14857-1-SB] c 74 N93-19374
- Discrete optical fiber strain sensor
[NASA-CASE-LAR-14810-1-SB] c 35 N93-19492
- Transversely polarized source cladding for an optical fiber
[NASA-CASE-LAR-14652-1-SB] c 74 N93-22039
- Plasma arc welding weld imaging
[NASA-CASE-MFS-28797-1] c 37 N94-15949
- Wide-angle imaging system with fiberoptic components providing angle-dependent virtual material stops
[NASA-CASE-NPO-18146-1-CU] c 74 N94-20345
- Optical fibers and fluorosensors having improved power efficiency and methods of producing same
[NASA-CASE-LAR-14525-1-CU] c 74 N94-20378
- Optical fiber sensor having an active core
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- Output optics for laser velocimeters
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- OPTICAL FILTERS**
- High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
- Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
- Optical noise suppression device and method --- laser light exposing film
[NASA-CASE-MSC-12640-1] c 74 N76-31998
- System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
- Optical conversion method --- for spacecraft television
[NASA-CASE-MSC-12618-1] c 74 N78-17865
- Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891
- Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- Multispectral linear array multiband selection device
[NASA-CASE-GSC-12911-1] c 74 N86-29650
- Method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N87-28416
- Integrated filter and detector array for spectral imaging
[NASA-CASE-NPO-18317-1-CU] c 74 N93-13419
- Display system employing acousto-optic tunable filter
[NASA-CASE-NPO-18736-1-CU] c 74 N94-15933
- OPTICAL GYROSCOPES**
- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448
- Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037
- Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1-CU] c 74 N87-23259
- OPTICAL HETERODYNING**
- Multispectral imaging system
[NASA-CASE-MSC-12404-1] c 23 N73-13661
- Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- OPTICAL MATERIALS**
- Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Containerless high purity pulling process and apparatus for glass fiber
[NASA-CASE-MFS-25905-2] c 31 N86-21718
- OPTICAL MEASUREMENT**
- Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
- Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample
[NASA-CASE-XGS-05291] c 23 N71-16341
- Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
- Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447
- Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628
- Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
- Rotary target V-block
[NASA-CASE-LAR-12007-3] c 35 N84-16523
- Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- Optical multiple sample vacuum integrating sphere
[NASA-CASE-GSC-12849-1] c 74 N86-26190
- Reflection type skin friction meter
[NASA-CASE-LAR-14520-1-SB] c 02 N93-18275
- OPTICAL MEASURING INSTRUMENTS**
- Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428
- Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
- Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323
- Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
- Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
- Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
- Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
- Optical distance measuring instrument
[NASA-CASE-GSC-12761-1] c 74 N86-32266
- Vibration-free Raman Doppler velocimeter
[NASA-CASE-LAR-13268-1] c 35 N87-14669
- Phase length optical phase-locked-loop sensor
[NASA-CASE-LAR-13387-1] c 74 N88-25302
- OPTICAL MEMORY (DATA STORAGE)**
- Real-time dynamic holographic image storage device
[NASA-CASE-LAR-13989-1] c 35 N91-13694
- Optical inner product neural associative memory
[NASA-CASE-NPO-18491-1-CU] c 60 N92-23546
- Disk memory device
[NASA-CASE-GSC-13196-1] c 60 N92-29132
- Auto and hetero-associative memory using a 2-D optical logic gate
[NASA-CASE-NPO-17997-1-CU] c 60 N92-33057
- Optoelectronic associative memory
[NASA-CASE-NPO-18278-1-CU] c 74 N94-20303
- OPTICAL PATHS**
- Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095
- Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
- Phase length optical phase-locked-loop sensor
[NASA-CASE-LAR-13387-1] c 74 N88-25302
- Optical shutter switching matrix
[NASA-CASE-KSC-11392-1] c 74 N90-22383
- Motion detection, novelty filtering, and target tracking using an interferometric technique with a GaAs phase conjugate mirror
[NASA-CASE-NPO-17784-1-CU] c 74 N91-13998
- Non-mechanical optical path switching and its application to dual beam spectroscopy including gas filter correlation radiometry
[NASA-CASE-LAR-14588-1-CU] c 74 N92-29117
- A method of detecting and locating electrical current imbalances
[NASA-CASE-LEW-15407-1] c 33 N94-15706
- OPTICAL POLARIZATION**
- Real-time image difference detection using a polarization rotation spatial light modulator
[NASA-CASE-NPO-17144-1-CU] c 74 N88-25305
- Polarization perception device
[NASA-CASE-MSC-21915-1] c 74 N92-30027
- OPTICAL PROPERTIES**
- Optical torque meter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
- Light direction sensor
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- Vinyl capped addition polyimides
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- Catalyst for carbon monoxide oxidation
[NASA-CASE-LAR-14155-2-SB] c 25 N91-21270
- Low cost, formable, high T(sub c) superconducting wire
[NASA-CASE-LEW-14676-1] c 33 N91-31529
- Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-6] c 23 N92-17882
- Oxidation resistant coating for titanium alloys and titanium alloy matrix composites
[NASA-CASE-LEW-15155-1] c 27 N92-29090

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- Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
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- Method of protecting the surface of a substrate — by applying aluminate coating
[NASA-CASE-LEW-11696-1] c 37 N75-13261
- Duplex aluminized coatings
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Nicral ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505

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[NASA-CASE-LEW-13864-1] c 27 N86-19457

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[NASA-CASE-LEW-14072-2] c 27 N86-32569

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Oxygen diffusion barrier coating
[NASA-CASE-LAR-13474-1-SB] c 26 N87-25455

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Oxidation resistant coating for titanium alloys and titanium alloy matrix composites
[NASA-CASE-LEW-15155-1] c 27 N92-29090

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[NASA-CASE-LEW-15154-1] c 27 N93-19332

Atomic oxygen protective coating with resistance to undercutting at defect sites
[NASA-CASE-LEW-15306-1] c 27 N93-20566

Method for retarding oxidation of an organic substrate
[NASA-CASE-LEW-15306-2] c 27 N93-28425

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[NASA-CASE-LEW-15697-1] c 26 N93-29172

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[NASA-CASE-LEW-15515-1] c 35 N93-31298

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Polyimides containing amide and perfluoroisopropylidene connecting groups
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High temperature, oxidation resistant noble metal-Al alloy thermocouple
[NASA-CASE-LEW-15515-1] c 35 N94-23826

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[NASA-CASE-LEW-12358-2] c 25 N82-21268

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Method of forming oxide coatings — for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388

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[NASA-CASE-LEW-14057-1] c 24 N85-35233

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Apparatus for producing oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-2] c 27 N86-32569

Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N87-23736

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Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029

Pretreatment of lubricated surfaces with sputtered cadmium oxide
[NASA-CASE-LEW-14474-1] c 27 N91-28423

Guanidine based vehicle/binders for use with oxides, metals, and ceramics
[NASA-CASE-LEW-15314-2] c 27 N93-28423

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[NASA-CASE-NPO-18694-1-CU] c 33 N94-17325

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Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052

Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843

Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413

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Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185

OXYGEN

Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527

Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773

Method of detecting oxygen in a gas
[NASA-CASE-LAR-10668-1] c 06 N73-16106

Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MSC-12408-1] c 46 N74-13011

Nonflammable coating compositions — for use in high oxygen environments
[NASA-CASE-MFS-20486-2] c 27 N74-17283

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[NASA-CASE-LAR-13257-1] c 25 N84-32447

Technique for measuring gas conversion factors
[NASA-CASE-LAR-13220-1] c 34 N86-12547

Oxygen recombination in individual pressure vessel nickel-hydrogen batteries
[NASA-CASE-LEW-13822-1] c 44 N86-25874

Method and apparatus for maintaining thermal control in plasma conditions
[NASA-CASE-MFS-28368-1] c 75 N90-10717

Device for quickly sensing the amount of O₂ in a combustion product gas
[NASA-CASE-LAR-13816-1] c 35 N90-22025

Static feed water electrolysis subsystem development
[NASA-CASE-MSC-21577-1-SB] c 25 N91-23271

Converting a CO₂ atmosphere to a high-purity O₂ supply
[NASA-CASE-LAR-14398-1] c 25 N92-30098

High temperature sorbents for oxygen
[NASA-CASE-NPO-18409-1-CU] c 25 N93-19025

High-temperature, high-pressure oxygen metering valve
[NASA-CASE-MSC-21823-1] c 37 N94-20589

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[NASA-CASE-NPO-16640-1-CU] c 72 N87-21661

Converting a CO₂ atmosphere to a high-purity O₂ supply
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A method for making biocompatible polymer articles using atomic oxygen
[NASA-CASE-MSC-21529-1] c 27 N92-30100

Method and apparatus for producing a thermal atomic oxygen beam
[NASA-CASE-LEW-15614-1] c 72 N93-19026

Atomic oxygen protective coating with resistance to undercutting at defect sites
[NASA-CASE-LEW-15306-1] c 27 N93-20566

Method for retarding oxidation of an organic substrate
[NASA-CASE-LEW-15306-2] c 27 N93-28425

Method for preparation of a microporous structure with layered interstitial surface treatment
[NASA-CASE-MSC-21487-2] c 24 N93-29023

Method for anisotropic etching in the manufacture of semiconductor devices
[NASA-CASE-MSC-21631-1] c 75 N94-20491

Method and apparatus for producing a thermal atomic oxygen beam
[NASA-CASE-LEW-15614-1] c 72 N94-23825

OXYGEN CONSUMPTION

Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202

OXYGEN FLUORIDES

Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228

OXYGEN ISOTOPES

Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-2-SB] c 25 N90-20154

OXYGEN METABOLISM

Metabolic analyzer — for measuring metabolic rate and breathing dynamics of human beings
[NASA-CASE-MFS-21415-1] c 52 N74-20728

OXYGEN PLASMA

Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052

OXYGEN PRODUCTION

Alkali metal carbon dioxide electrochemical system for energy storage and/or conversion of carbon dioxide to oxygen
[NASA-CASE-LEW-14973-1] c 44 N93-28974

Method for producing oxygen from lunar materials
[NASA-CASE-MSC-21759-1] c 25 N93-29617

OXYGEN REGULATORS

Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664

OXYGEN SUPPLY EQUIPMENT

Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900

Slow opening valve — valve design for shuttle portable oxygen system
[NASA-CASE-MSC-20112-1] c 37 N85-20338

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Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210

Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579

Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
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High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177

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Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191

Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422

Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513

Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440

Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492

Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156

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Semiconductor surface protection material
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Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541

Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528

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[NASA-CASE-XLE-02798] c 26 N71-23854

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[NASA-CASE-MFS-22343-1] c 33 N74-34638

Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780

Formation of self-aligned guard rings for monolithic Schottky-barrier diode arrays
[NASA-CASE-NPO-17734-1-CU] c 33 N82-10146

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Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225

One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085

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[NASA-CASE-XLA-00137] c 15 N70-33180

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[NASA-CASE-XLA-00138] c 31 N70-37981

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[NASA-CASE-MFS-20855] c 15 N73-27405

Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482

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Non-blocking crossbar permutation engine with constant routing latency
[NASA-CASE-NPO-18864-1-CU] c 62 N94-17328

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[NASA-CASE-NPO-18983-1-CU] c 62 N94-17330

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PACKETS (COMMUNICATION)
Non-blocking crossbar permutation engine with constant routing latency
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PACKING DENSITY
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[NASA-CASE-XNP-04816] c 06 N69-39936
High density tape casting system
[NASA-CASE-NPO-16901-1-CU] c 31 N90-19425

PACKINGS (SEALS)
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[NASA-CASE-LEW-11676-1] c 37 N76-22541

PAD
Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562

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[NASA-CASE-ARC-10099-1] c 18 N71-15469
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[NASA-CASE-XGS-04799] c 18 N71-24183
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[NASA-CASE-XNP-02139] c 18 N71-24184
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[NASA-CASE-GSC-12883-1] c 27 N85-29044
An improved patch for radiative coolers
[NASA-CASE-GSC-13503-1] c 37 N94-20127

PALLADIUM
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396

PALLADIUM COMPOUNDS
Prevention of pressure build-up in electrochemical cells
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[NASA-CASE-XGS-01419] c 03 N70-41864
Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MSC-13335-1] c 06 N72-31140

PANELS
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[NASA-CASE-XLA-01807] c 15 N71-10799
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[NASA-CASE-MFS-14023] c 33 N71-25351
Solar panel fabrication. Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
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[NASA-CASE-LAR-13438-1] c 31 N89-12786
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[NASA-CASE-LAR-13761-1] c 34 N90-20323
High temperature flexible seal
[NASA-CASE-LEW-14695-1] c 37 N90-23751
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[NASA-CASE-MSC-21534-1] c 18 N91-21222
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[NASA-CASE-MFS-28524-1] c 18 N91-25167
Real-time edge-enhanced optical correlator
[NASA-CASE-NPO-18379-1-CU] c 74 N92-33022

Sandwiched structural panel having a bi-directional core structure
[NASA-CASE-MFS-28796-1] c 24 N93-19022

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[NASA-CASE-NPO-17390-1-CU] c 35 N90-22769

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[NASA-CASE-NPO-13847-2] c 85 N79-17747

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[NASA-CASE-MFS-15218-1] c 37 N77-19457

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[NASA-CASE-GSC-12770-1] c 25 N83-29324

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[NASA-CASE-NPO-10173] c 15 N71-24696
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[NASA-CASE-LAR-12195-1] c 31 N81-27324
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[NASA-CASE-GSC-12630-1] c 33 N83-36355
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[NASA-CASE-LAR-13798-1] c 32 N89-25363

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[NASA-CASE-XNP-00540] c 09 N70-35382
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[NASA-CASE-XLA-04622] c 03 N70-41580
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[NASA-CASE-XMS-03454] c 09 N71-20658
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[NASA-CASE-GSC-11013-1] c 09 N73-19234
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[NASA-CASE-GSC-11046-1] c 07 N73-28013
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[NASA-CASE-GSC-11968-1] c 32 N76-15329
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[NASA-CASE-NPO-13921-1] c 44 N79-14526
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[NASA-CASE-MFS-23349-1] c 44 N79-23481
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[NASA-CASE-MFS-23727-1] c 44 N80-14473
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
Antenna surface contour control system
[NASA-CASE-LAR-13798-1] c 32 N89-25363
A satellite-tracking millimeter-wave reflector antenna system for mobile satellite-tracking
[NASA-CASE-NPO-18772-1-CU] c 32 N93-28955

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[NASA-CASE-GSC-11296-1] c 23 N73-30666
Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866

PARACHUTE DESCENT
Parachute glider. Patent
[NASA-CASE-XLA-00898] c 02 N70-36804
Vehicle parachute and equipment jettison system. Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
Line cutter. Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898

PARACHUTE FABRICS
Lightweight, variable solidity knitted parachute fabric --- for aerodynamic decelerators
[NASA-CASE-LAR-10776-1] c 02 N74-10034
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330

PARACHUTES
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[NASA-CASE-GSC-11077-1] c 02 N73-13008
Deploy/release system --- model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014
System and method for refurbishing and processing parachutes --- monorial conveyor system
[NASA-CASE-KSC-11042-2] c 02 N81-26073
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
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[NASA-CASE-LAR-13076-1] c 08 N85-35200
Parachute having improved vent line stacking
[NASA-CASE-MFS-28508-1] c 02 N94-11021

PARTICLE ACCELERATOR TARGETS

PARAGLIDERS
Parachute glider. Patent
[NASA-CASE-XLA-00898] c 02 N70-36804

PARALLAX
Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357
Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629

PARALLEL COMPUTERS
Special purpose parallel computer architecture for real-time control and simulation in robotic applications
[NASA-CASE-NPO-17629-1-CU] c 60 N93-29608

PARALLEL PLATES
Parallel plate viscometer. Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265
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[NASA-CASE-LEW-12445-1] c 37 N81-22360
Consecutive plate acoustic suppressor apparatus and methods
[NASA-CASE-LEW-15430-1] c 71 N93-17051
Method for controlling protein crystallization
[NASA-CASE-MFS-28688-1] c 76 N94-20528

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Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N83-25378
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
Programmable remapper with single flow architecture
[NASA-CASE-MSC-21481-1] c 60 N91-13890
Method of up-front load balancing for local memory parallel processors
[NASA-CASE-MSC-21348-1] c 62 N91-14769
Highly parallel computer architecture for robotic computation
[NASA-CASE-NPO-17632-1-CU] c 60 N91-32805
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[NASA-CASE-NPO-17664-1-CU] c 62 N91-32852
Analog hardware for delta-backpropagation neural networks
[NASA-CASE-NPO-17564-1-CU] c 32 N92-22033
Synchronous parallel system for emulation and discrete event simulation
[NASA-CASE-NPO-18414-1-CU] c 62 N92-24045
Digital parallel processor array for optimum path planning
[NASA-CASE-NPO-18727-1-CU] c 62 N93-28427
Special purpose parallel computer architecture for real-time control and simulation in robotic applications
[NASA-CASE-NPO-17629-1-CU] c 60 N93-29608

PARAMETER IDENTIFICATION
Efficient detection and signal parameter estimation with application to high dynamic GPS receiver
[NASA-CASE-NPO-17820-1-CU] c 04 N91-14321

PARAMETRIC AMPLIFIERS
Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660

PARAMETRIC FREQUENCY CONVERTERS
Method and apparatus for quadriphase-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192

PARASITIC ELEMENTS (ANTENNAS)
Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase. Patent
[NASA-CASE-XLA-00414] c 07 N70-38200

PARAWINGS
Wing deployment method and apparatus. Patent
[NASA-CASE-XMS-00907] c 02 N70-41630

PARKING
Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480

PARTIAL PRESSURE
Vapor pressure measuring system and method. Patent
[NASA-CASE-XMS-01618] c 14 N71-20741
Converting a CO2 atmosphere to a high-purity O2 supply
[NASA-CASE-LAR-14398-1] c 25 N92-30098

PARTICLE ACCELERATION
Molecular beam velocity selector. Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
Dust particle injector for hypervelocity accelerators. Patent
[NASA-CASE-XGS-06628] c 24 N71-16213

PARTICLE ACCELERATOR TARGETS
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[NASA-CASE-NPO-13112-1] c 73 N74-26767

- Deuterium pass through target — neutron emitting target
[NASA-CASE-LEW-11866-1] c 72 N76-15860
Closed loop spray cooling apparatus — for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237

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- Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
Doppler shift system — system for measuring velocities of radiating particles
[NASA-CASE-HQN-10740-1] c 72 N74-19310
Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575
Slow positron beam generator for lifetime studies
[NASA-CASE-LAR-14250-1-SB] c 72 N91-27938

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- Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990
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[NASA-CASE-MFS-28122-1] c 72 N88-24253

PARTICLE DENSITY (CONCENTRATION)

- Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332

PARTICLE EMISSION

- Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328

PARTICLE ENERGY

- Particle detection apparatus Patent
[NASA-CASE-XLA-00135] c 14 N70-33322
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509

PARTICLE INTERACTIONS

- Surface modification using low energy ground state ion beams
[NASA-CASE-NPO-17498-1-CU] c 72 N91-14813

PARTICLE MASS

- Cosmic dust analyzer
[NASA-CASE-MSC-13802-2] c 35 N76-15431
Microbalance — for measuring particle mass
[NASA-CASE-MSC-11242] c 35 N78-17358

PARTICLE MOTION

- Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393
Method and apparatus for determining time, direction, and composition of impacting space particles
[NASA-CASE-LAR-13392-1-CU] c 19 N91-14412
Vaporizing particle velocimeter
[NASA-CASE-LAR-14685-1] c 02 N92-34172

PARTICLE PRODUCTION

- Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379

PARTICLE SIZE DISTRIBUTION

- Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153

- Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386

- Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364

- Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242

- Polyvinyl alcohol battery separator containing inert filler — alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615

- Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561

- Method of evaporation
[NASA-CASE-NPO-15609-2] c 25 N88-23846

- Hypervelocity impact shield
[NASA-CASE-MSC-21420-1] c 18 N92-15114

PARTICLE TRAJECTORIES

- Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433

- Direction sensitive laser velocimeter — determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422

PARTICLES

- Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440

Apparatus for producing metal powders

- [NASA-CASE-XLE-06461-2] c 17 N72-28535
Particle parameter analyzing system — x-y plotter circuits and display

- [NASA-CASE-XLE-06094] c 33 N78-17293
Surfactant-assisted liquefaction of particulate carbonaceous substances

- [NASA-CASE-NPO-13904-1] c 25 N79-11152

- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765

- Solar heated oil shale pyrolysis process
[NASA-CASE-NPO-16392-1] c 25 N86-25428

- Controlled method of reducing electrophoretic mobility of various substances
[NASA-CASE-MFS-26049-1-NP] c 25 N89-28603

- Controlled method of reducing electrophoretic mobility of macromolecules, particles, or cells
[NASA-CASE-MFS-26049-2-NP] c 25 N92-28728

PARTICULATE SAMPLING

- Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376
Electrophoretic sample insertion — device for uniformly distributing samples in flow path

- [NASA-CASE-MFS-21395-1] c 25 N74-26948

- Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401

- Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192

- Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527

- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184

- Sample holder support for microscopes
[NASA-CASE-MFS-28420-1] c 37 N91-21545

- High velocity gas particulate sampling system
[NASA-CASE-MSC-21729-1] c 34 N92-16241

PARTICULATES

- Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376

- High velocity gas particulate sampling system
[NASA-CASE-MSC-21729-1] c 34 N92-16241

- Spiral fluid separator
[NASA-CASE-MFS-28658-1] c 34 N94-20361

PASSAGEWAYS

- Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936

- Apparatus for mixing solutions in low gravity environments
[NASA-CASE-MFS-26047-1] c 29 N90-21209

PASSENGERS

- Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445

PASSIVE SATELLITES

- Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309

- Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors
[NASA-CASE-XGS-02608] c 07 N70-41678

- Method of making an inflatable panel Patent
[NASA-CASE-XLA-03497] c 15 N71-23052

PASSIVITY

- Passivation of high temperature superconductors
[NASA-CASE-NPO-17949-1-CU] c 76 N92-10681

PASTES

- Whole body cleaning agent containing N-acyltaurate
[NASA-CASE-MSC-21589-1] c 54 N92-29137

PATENTS

- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072

- Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494

- High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191

PATIENTS

- Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159

- Rapidly quantifying the relative distention of a human bladder
[NASA-CASE-LAR-13901-1-NP] c 52 N90-21519

PATTERN RECOGNITION

- Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161

- Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014

- Real-time optical multiple object recognition and tracking system and method
[NASA-CASE-NPO-17139-1-CU] c 74 N88-25301

- Remotely controllable real-time optical processor
[NASA-CASE-NPO-16750-1-CU] c 74 N89-14078

- Programmable pipelined image processor
[NASA-CASE-NPO-16461-1CU] c 60 N89-26400

- General method of pattern classification using the two-domain theory
[NASA-CASE-MSC-21737-1] c 61 N91-13911

Method and apparatus for sensor fusion

- [NASA-CASE-MSC-21334-1] c 32 N91-25317
Method and apparatus for predicting the direction of movement in machine vision

- [NASA-CASE-NPO-17552-1-CU] c 54 N92-29129

- General method of pattern classification using the two-domain theory

- [NASA-CASE-MSC-21737-1] c 61 N93-18282

- Hidden Markov models for fault detection in dynamic systems

- [NASA-CASE-NPO-18982-1-CU] c 38 N93-30413

PATTERN REGISTRATION

- Digital data registration and differencing compression system
[NASA-CASE-SSC-00010-1] c 82 N91-23976

PAYLOAD DELIVERY (STS)

- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469

PAYLOAD DEPLOYMENT & RETRIEVAL SYSTEM

- Payload deployment method and system
[NASA-CASE-MSC-21330-1] c 16 N88-24660

PAYLOAD RETRIEVAL (STS)

- Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MSC-23052-2] c 74 N79-13855

- Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303

PAYLOADS

- Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778

- Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582

- Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687

- Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692

- Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

- Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227

- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609

- Payload retention device
[NASA-CASE-MSC-21906-1] c 37 N92-28727

- Rotating-unbalanced-mass devices and methods for scanning balloon-borne-experiments, free-flying spacecraft, and space shuttle/space station attached experiments
[NASA-CASE-MFS-28425-1] c 35 N92-33010

- Integrated launch and emergency vehicle system
[NASA-CASE-LAR-13780-1] c 18 N92-33013

PCM TELEMETRY

- Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964

- Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255

- High speed direct binary-to-binary coded decimal converter
[NASA-CASE-KSC-10326] c 08 N72-21197

PEELING

- Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419

PEENING

- Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550

PELLETS

- Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606

- Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940

PELTIER EFFECTS

- Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146

- Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N86-19604

PELVIS

- Shoulder and hip joints for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N86-29507

PENETRANTS

- Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170

PENETRATION

- Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879

- Fire extinguishing apparatus having a slidable mass for a penetrator nozzle — for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

PENETROMETERS

- Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
- Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
- Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
- Penetrometer — for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
- Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443

PERCEPTION

- Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122

PERFLUORO COMPOUNDS

- Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
- Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
- Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
- Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
- Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152
- Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
- Polymerizable disilanols having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
- Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
- Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
- Process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N84-22744
- Perfluoro (imidoylamidine) diamidines
[NASA-CASE-ARC-11402-3] c 23 N86-21582
- Polyimides containing amide and perfluoroisopropylidene connecting groups
[NASA-CASE-LAR-14608-1] c 27 N94-20374

PERFLUOROALKANE

- Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300

PERFORATED PLATES

- Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582

PERFORATED SHELLS

- Method of fabricating an article with cavities — with thin bottom walls
[NASA-CASE-LAR-10318-1] c 31 N74-18089

PERFORMANCE PREDICTION

- Failure detection and control means for improved drift performance of a gimbalized platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- Airplane takeoff and landing performance monitoring system
[NASA-CASE-LAR-13734-1-CU] c 09 N90-20096

PERFORMANCE TESTS

- Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
- Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
- Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
- Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187
- Integrated circuit reliability testing
[NASA-CASE-NPO-17393-1-CU] c 33 N89-29679
- O-ring gasket test fixture
[NASA-CASE-MFS-28376-1] c 14 N91-21175
- Torsional suspension system for testing space structures
[NASA-CASE-LAR-14149-1-SB] c 14 N91-21176

PERIODIC VARIATIONS

- Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401

PERIPHERAL EQUIPMENT (COMPUTERS)

- Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492

PERISCOPES

- Welding monitoring system
[NASA-CASE-MFS-29177-1] c 37 N88-14362

PERMANENT MAGNETS

- Permanent magnet flux-biased magnetic actuator with flux feedback
[NASA-CASE-LAR-13785-1] c 70 N91-21824

PERMEABILITY

- Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
- System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
- Dialysis system — using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
- Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906

PERMITTIVITY

- Process for lowering the dielectric constant of polyimides using diamine acid additives
[NASA-CASE-LAR-13902-1] c 27 N90-23546
- Cyanoresin, cyanoresin/cellulose triacetate blends for thin film, dielectric capacitors
[NASA-CASE-NPO-18913-1-CU] c 27 N94-15930

PERMUTATIONS

- Non-blocking crossbar permutation engine with constant routing latency
[NASA-CASE-NPO-18864-1-CU] c 62 N94-17328

PEROXIDES

- Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252

PERSONAL COMPUTERS

- Printer port interface
[NASA-CASE-LAR-13950-1] c 60 N92-30541

PERSPIRATION

- Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
- Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763

PERTURBATION

- Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
- Measurement of waves in flows across a surface
[NASA-CASE-NPO-17479-1-CU] c 34 N91-13658
- Passive laminar flow control of crossflow vorticity
[NASA-CASE-LAR-13563-1] c 34 N91-23410

PERTURBATION THEORY

- Dual wavelength scanning Doppler velocimeter — without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783

PH FACTOR

- Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923

PHASE COHERENCE

- Signal phase estimator
[NASA-CASE-NPO-11203] c 10 N72-20224
- Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523

PHASE CONJUGATION

- Motion detection, novelty filtering, and target tracking using an interferometric technique with a GaAs phase conjugate mirror
[NASA-CASE-NPO-17784-1-CU] c 74 N91-13998

PHASE CONTRAST

- Laser pulse detection method and apparatus
[NASA-CASE-NPO-16030-1] c 36 N84-25037

PHASE CONTROL

- Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
- Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271
- Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
- System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
- Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
- Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493

- Phase discriminating capacitive array sensor system
[NASA-CASE-GSC-13460-1] c 33 N93-26104

PHASE DEMODULATORS

- Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
- Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

PHASE DETECTORS

- Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
- Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
- High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596
- Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
- Low distortion automatic phase control circuit — voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885
- Correlation type phase detector — with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243
- Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
- Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315
- Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
- Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
- High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N84-16454
- Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N84-22885
- Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952
- Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
- Double reference pulsed phase locked loop
[NASA-CASE-LAR-13310-1] c 32 N87-14559
- Method and apparatus for measuring frequency and phase difference
[NASA-CASE-MSC-20865-1] c 32 N87-18692
- Zero-G phase detector and separator
[NASA-CASE-LEW-14844-1] c 35 N90-22024
- Synchronous sampling phase and amplitude detection method and apparatus
[NASA-CASE-LAR-14725-1] c 38 N94-15870

PHASE DEVIATION

- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927

PHASE ERROR

- Modified fast frequency acquisition via adaptive least squares algorithm
[NASA-CASE-NPO-17845-2-CU] c 61 N93-14882

PHASE LOCK DEMODULATORS

- Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
- Phase ambiguity resolution for offset QPSK modulation systems
[NASA-CASE-NPO-17853-1-CU] c 32 N91-25318

PHASE LOCKED SYSTEMS

- Automatic acquisition system for phase-locked loop
[NASA-CASE-XGS-04994] c 09 N69-21543
- Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
- Automatic frequency discriminators and control for a phase-locked loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
- Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
- Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
- Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
- Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
- Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
- Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140

- Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
- Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
- Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
- Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- Phase-locked servo system — for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
- Low speed phaselock speed control system — for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758
- Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
- Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
- Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334
- Frequency translating phase conjugation circuit for active retrodirective antenna array — microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
- Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
- Pulsed phase locked loop strain monitor — voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
- Double reference pulsed phase locked loop
[NASA-CASE-LAR-13310-1] c 32 N87-14559
- Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N87-23960
- Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MSC-20187-1] c 33 N87-25531
- Phase length optical phase-locked-loop sensor
[NASA-CASE-LAR-13387-1] c 74 N88-25302
- Digital phase-lock loop having an estimator and predictor of error
[NASA-CASE-NPO-17196-1-CU] c 32 N88-29076
- Method of recertifying a loaded bearing member
[NASA-CASE-LAR-14168-1] c 39 N92-34174
- Real-time edge-enhanced optical correlator
[NASA-CASE-NPO-18521-1-CU] c 74 N93-14404
- Constant frequency pulsed phase-locked loop measuring device
[NASA-CASE-LAR-13823-1] c 35 N93-29084
- Method of recertifying a loaded bearing member using a phase point
[NASA-CASE-LAR-14741-1] c 39 N94-10671
- Improvements to pulsed phase locked loop strain monitor
[NASA-CASE-LAR-14887-1] c 35 N94-15877
- PHASE MODULATION**
- Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
- Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
- Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
- Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
- Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
- Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
- Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
- Modulator for tone and binary signals — phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
- Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319
- Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
- Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179

- Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
- Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MSC-18675-1] c 32 N84-22820
- Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952
- Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N84-28590
- Electro-optic resonant phase modulator
[NASA-CASE-NPO-18702-1-CU] c 74 N92-23551
- PHASE SHIFT**
- Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
- Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
- Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
[NASA-CASE-NPO-11338] c 08 N72-25208
- Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
- JFET reflection oscillator
[NASA-CASE-GSC-12555-1] c 33 N86-19515
- Double reference pulsed phase locked loop
[NASA-CASE-LAR-13310-1] c 32 N87-14559
- Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390
- Method and apparatus for measuring minority carrier lifetime in a direct band-gap semiconductor
[NASA-CASE-NPO-16337-1-CU] c 33 N87-22894
- Doppler radar with multiphase modulation of transmitted and reflected signal
[NASA-CASE-MSC-18808-1] c 32 N90-20280
- Monolithic mm-wave phase shifter using optically activated superconducting switches
[NASA-CASE-LEW-14878-1] c 74 N92-28571
- Phase-stepping fiber-optic projected fringe system for surface topography measurements
[NASA-CASE-LEW-14996-1] c 74 N93-11058
- Constant frequency pulsed phase-locked loop measuring device
[NASA-CASE-LAR-13823-1] c 35 N93-29084
- PHASE SHIFT CIRCUITS**
- Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
- Phase shift circuit apparatus
[NASA-CASE-ARC-10269-1] c 10 N72-16172
- Continuously variable voltage controlled phase shifter
[NASA-CASE-NPO-11129] c 09 N72-33204
- Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
- Low distortion automatic phase control circuit — voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885
- Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- PHASE SHIFT KEYING**
- Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
- Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654
- Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
- Unbalanced quadriphase demodulator
[NASA-CASE-MSC-14840-1] c 32 N77-24331
- Method and apparatus for quadriphase-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
- Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
- Trellis coded modulation for transmission over fading mobile satellite channel
[NASA-CASE-NPO-16904-2-CU] c 32 N91-14523
- Doppler-corrected differential detection system
[NASA-CASE-NPO-16987-1-CU] c 32 N91-25316
- Phase ambiguity resolution for offset QPSK modulation systems
[NASA-CASE-NPO-17853-1-CU] c 32 N91-25318
- Multiple symbol differential detection
[NASA-CASE-NPO-17896-1-CU] c 32 N91-27439
- PHASE STABILITY (MATERIALS)**
- Sintering silicon nitride
[NASA-CASE-LEW-15489-1] c 27 N94-20529

PHASE SWITCHING INTERFEROMETERS

- Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625

PHASE TRANSFORMATIONS

- Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
- Ten degree Kelvin hydride refrigerator
[NASA-CASE-NPO-16393-1-CU] c 31 N87-21159

PHASE VELOCITY

- Ultrasonic calibration device — for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432
- Constant frequency pulsed phase-locked loop measuring device
[NASA-CASE-LAR-13823-1] c 35 N93-29084

PHASED ARRAYS

- Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264
- Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
- Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493
- Ground plane interference elimination by passive element
[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390
- Millimeter-wave monolithic diode-grid frequency multiplier
[NASA-CASE-NPO-17258-1-CU] c 33 N91-14551

PHENOLIC RESINS

- Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazene polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909

PHENOLS

- Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
- Method and device for the detection of phenol and related compounds — in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235

PHENYLS

- The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- Bis(4-(3,4-dimethylenepyrrolidyl)-phenyl) methane
[NASA-CASE-LAR-13965-1-CU] c 23 N90-21118
- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-2-SB] c 27 N90-21177
- Acetylene terminated aspartimides and resins therefrom
[NASA-CASE-LAR-14188-1] c 27 N90-23545
- Bis (4-(3,4-dimethylene-pyrrolidyl)-phenyl) methane
[NASA-CASE-LAR-13965-2-CU] c 23 N91-14418
- Poly(1,3,4-oxadiazoles) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14427-1] c 23 N92-29141
- Polybenzimidazoles via aromatic nucleophilic displacement
[NASA-CASE-LAR-14643-1] c 27 N92-29953
- Di(hydroxyphenyl)-1,2,4-triazole monomers
[NASA-CASE-LAR-14440-2] c 27 N94-23075

PHONOCARDIOGRAPHY

- Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234

PHOSPHATES

- Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047

PHOSPHAZENE

- Process for the preparation of polycarbonylphosphazenes — thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- Carbonylcyclotriphosphazenes and their polymers — thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- Carbonylmethylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750
- Maleimido substituted aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-1] c 23 N86-19376

- Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazene polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909
- Aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-3] c 23 N88-24692
- PHOSPHINES**
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
- Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- PHOSPHONITRILES**
Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- PHOSPHORS**
High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- Flat-panel, full-color, electroluminescent display
[NASA-CASE-LAR-13407-1] c 33 N87-28831
- X ray sensitive area detection device
[NASA-CASE-MFS-28232-1] c 74 N91-14835
- Radiation sensitive area detection device and method
[NASA-CASE-MFS-28563-1] c 35 N91-25388
- Single layer multi-color luminescent display
[NASA-CASE-LAR-13616-1] c 74 N91-31950
- Single layer multi-color luminescent display and method of making
[NASA-CASE-LAR-13616-3] c 74 N92-29158
- A method of making a single layer multi-color luminescent display
[NASA-CASE-LAR-14811-1] c 33 N93-20119
- PHOSPHORUS**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- Fire-resistant phosphorus containing polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-34280
- The 1-((diorganoxyphosphonyl)-methyl)-2,4- and -2,6-diamido benzenes
[NASA-CASE-ARC-11425-4] c 23 N90-20133
- Some 1-((diorganoxyphosphonyl)methyl)-2,4- and -2,6-dinitro-benzenes
[NASA-CASE-ARC-11425-3] c 23 N90-23475
- PHOSPHORUS COMPOUNDS**
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
- Polymer of phosphonylmethyl-2,4- and -2,6-diamino benzene and polyfunctional monomer
[NASA-CASE-ARC-11506-2] c 23 N86-32525
- The 1-((diorganoxy phosphonyl) methyl)-2,4- and -2,6-diamino benzenes and their derivatives
[NASA-CASE-ARC-11425-2] c 23 N87-28605
- PHOSPHORUS POLYMERS**
Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- Carboranyl cyclotriphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- PHOTOABSORPTION**
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- PHOTOCATHODES**
Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
- III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409
- PHOTOCHEMICAL REACTIONS**
Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
- Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- Vitro-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- Real-time dynamic holographic image storage device
[NASA-CASE-LAR-13989-1] c 35 N91-13694
- PHOTOCHROMISM**
All-optical photochromic spatial light modulators based on photoinduced electron transfer in rigid matrices
[NASA-CASE-NPO-17612-1-CU] c 74 N92-16808
- PHOTOCONDUCTIVE CELLS**
Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
- Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- PHOTOCONDUCTIVITY**
Photoetching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N72-21094
- PHOTOCONDUCTORS**
Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
- Etching method for photoresists or polymers
[NASA-CASE-ARC-11873-2] c 25 N91-31258
- PHOTODIODES**
Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N85-22139
- Micro pulse laser radar
[NASA-CASE-GSC-13493-1] c 32 N94-17322
- Micro pulse laser radar
[NASA-CASE-GSC-13493-1] c 32 N94-23827
- PHOTODISSOCIATION**
Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- PHOTOELECTRIC CELLS**
Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
- Method of and device for determining the characteristics and flux distribution of micrometeorites --- scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130
- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
- PHOTOELECTRIC EFFECT**
Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
- PHOTOELECTRIC EMISSION**
High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- PHOTOELECTRIC MATERIALS**
Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
- Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
- Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
- PHOTOELECTRICITY**
Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019
- PHOTOELECTROCHEMICAL DEVICES**
Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
- Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923
- PHOTOELECTRON SPECTROSCOPY**
Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
- High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
- PHOTOELECTRONS**
A quality monitor and monitoring technique employing optically stimulated electron emission
[NASA-CASE-LAR-15063-1] c 38 N93-30414
- PHOTOGRAPHIC EMULSIONS**
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
- Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- PHOTOGRAPHIC EQUIPMENT**
Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
- Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
- PHOTOGRAPHIC FILM**
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
- Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
- Optical noise suppression device and method --- laser light exposing film
[NASA-CASE-MSC-12640-1] c 74 N76-31998
- Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
- Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- Method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N87-28416
- Variable magnification glancing incidence x ray telescope
[NASA-CASE-MFS-28013-2] c 89 N91-14096
- PHOTOGRAPHIC MEASUREMENT**
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
- Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
- TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387
- PHOTOGRAPHIC PROCESSING**
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389
- PHOTOGRAPHIC PROCESSING EQUIPMENT**
Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489
- PHOTOGRAPHIC RECORDING**
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
- Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
- Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
- Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
- Multiple image storing system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324
- Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
- PHOTOGRAPHY**
System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
- Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1-SB] c 52 N87-24874
- PHOTOIONIZATION**
A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
- PHOTOLYSIS**
Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
- Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470

PHOTOMAPPING

Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899

PHOTOMASKS

Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209

PHOTOMECHANICAL EFFECT

Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400

PHOTOMETERS

Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655

Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407

Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821

Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996

Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409

Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445

Chromato-fluorographic drug detector --- device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947

The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874

Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421

Alternating gradient photodetector
[NASA-CASE-NPO-17235-1-CU] c 35 N90-21358

Phase-stepping fiber-optic projected fringe system for surface topography measurements
[NASA-CASE-LEW-14996-1] c 74 N93-11058

Integrated filter and detector array for spectral imaging
[NASA-CASE-NPO-18317-1-CU] c 74 N93-13419

Linear encoding device
[NASA-CASE-GSC-13562-1] c 61 N94-15703

PHOTOMICROGRAPHY

Stereo photomicrography system
[NASA-CASE-LAR-10176-1] c 14 N72-20380

Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361

Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N87-14594

PHOTOMULTIPLIER TUBES

Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771

Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480

Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328

Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172

Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409

Photomultiplier circuit including means for rapidly reducing the sensitivity thereof --- and protection from radiation damage
[NASA-CASE-ARC-10593-1] c 33 N74-27682

PHOTON BEAMS

Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255

PHOTON-ELECTRON INTERACTION

Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767

PHOTONS

Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527

Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767

Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-16372-1] c 72 N86-33127

PHOTOSENSITIVITY

Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089

Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568

Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172

Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946

Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244

Photoelectrochemical cells including
chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019

Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826

Dynamic range compression/expansion of light beams by photorefractive crystals
[NASA-CASE-NPO-17140-1-CU] c 74 N89-14077

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accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688
Self-energized plasma compressor — for compressing
plasma discharged from coaxial plasma generator
[NASA-CASE-MFS-22145-1] c 75 N75-13625
Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
Continuous plasma laser — method and apparatus for
producing intense, coherent, monochromatic light from low
temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- PLASMA GUNS**
Method of making a diffusion bonded refractory coating
Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
Plasma gun with coaxial powder feed and adjustable
cathode
[NASA-CASE-LEW-14901-1] c 75 N91-25875
- PLASMA JETS**
Method of preparing water purification membranes —
polymerization of allyl amine as thin films in plasma
discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087
Combination automatic-starting electrical plasma torch
and gas shutoff valve — for satellite attitude control
[NASA-CASE-XLE-10717] c 37 N75-29426
Plasma cleaning device — designed for high vacuum
environments
[NASA-CASE-MFS-22906-1] c 75 N78-27913
Etching method for photoresists or polymers
[NASA-CASE-ARC-11873-2] c 25 N91-31258
- PLASMA LAYERS**
Electrostatic plasma modulator for space vehicle
re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
Means for communicating through a layer of ionized
gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284
Plasma sprayed ceramic thermal barrier coating for
NiAl-based intermetallic alloys
[NASA-CASE-LEW-15535-1] c 26 N93-31294
- PLASMA POTENTIALS**
Method and apparatus for neutralizing potentials induced
on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429
- PLASMA PROBES**
Probes having ring and primary sensor at same potential
to prevent collection of stray wall currents in ionized
gases
[NASA-CASE-XLE-00690] c 25 N69-39884
Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747
- PLASMA PROPULSION**
Method of making dish ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256
Hybrid plume plasma rocket
[NASA-CASE-MSC-20476-2] c 20 N89-25279
- PLASMA RADIATION**
Means for measuring the electron density gradients of
the plasma sheath formed around a space vehicle
Patent
[NASA-CASE-XLA-06232] c 25 N71-20563
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
- Method and apparatus for producing a thermal atomic
oxygen beam
[NASA-CASE-LEW-15614-1] c 72 N93-19026
Method and apparatus for producing a thermal atomic
oxygen beam
[NASA-CASE-LEW-15614-1] c 72 N94-23825
- PLASMA SHEATHS**
Apparatus for measuring electric field strength on the
surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
Means for measuring the electron density gradients of
the plasma sheath formed around a space vehicle
Patent
[NASA-CASE-XLA-06232] c 25 N71-20563
- PLASMA SPRAYING**
Method of coating carbonaceous base to prevent
oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
Fully plasma-sprayed compliant backed ceramic turbine
seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Fully plasma-sprayed compliant backed ceramic turbine
seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233
Process for HIP canning of composites
[NASA-CASE-LEW-14990-1-CU] c 24 N91-17145
Plasma gun with coaxial powder feed and adjustable
cathode
[NASA-CASE-LEW-14901-1] c 75 N91-25875
Composite thermal barrier coating
[NASA-CASE-LEW-14999-1] c 24 N92-21725
Plasma sprayed ceramic thermal barrier coating for
NiAl-based intermetallic alloys
[NASA-CASE-LEW-15535-1] c 26 N93-31294
Turntable mechanism
[NASA-CASE-MFS-28522-1] c 37 N94-20380
Method of fabricating a rocket engine combustion
chamber
[NASA-CASE-MFS-28569-1] c 27 N94-20541
- PLASMA TEMPERATURE**
Measurement of plasma temperature and density using
radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156
- PLASMA-ELECTROMAGNETIC INTERACTION**
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405
- PLASMAS (PHYSICS)**
Apparatus for measuring conductivity and velocity of
plasma utilizing a plurality of sensing coils positioned in
the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073
Hollow cathode apparatus
[NASA-CASE-NPO-15560-1] c 33 N85-21491
Method and apparatus for maintaining thermal control
in plasma conditions
[NASA-CASE-MFS-28368-1] c 75 N90-10717
Ceramic coatings on smooth surfaces
[NASA-CASE-LEW-15164-1] c 27 N91-25298
- PLASMONS**
Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N85-21492
Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768
- PLASTIC COATINGS**
Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
Oxygen post-treatment of plastic surface coated with
plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
Process for preparing highly optically
transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727
- PLASTIC DEFORMATION**
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
- PLASTIC FLOW**
Polyimide processing additives
[NASA-CASE-LAR-13669-1] c 27 N92-29157
- PLASTIC PROPERTIES**
Polyimides with improved compression moldability
[NASA-CASE-LAR-14457-1] c 27 N93-25997
- PLASTIC TAPES**
Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472

PLASTICIZERS

- Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
- Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
- Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
- Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708

PLASTICS

- Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803
- Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
- Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
- Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721
- Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117
- Molding apparatus --- for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- Polyimide processing additives
[NASA-CASE-LAR-13669-1] c 27 N92-29157
- Mold bolt and means for achieving close tolerances between bolts and bolt holes
[NASA-CASE-MFS-28720-1] c 37 N94-20379

PLATENS

- Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312

PLATES

- Pressurized bellows flat contact heat exchanger interface
[NASA-CASE-MSC-21271-1] c 34 N90-21999
- Fully articulated four-point-bend loading fixture
[NASA-CASE-LEW-14776-1] c 37 N91-21540

PLATES (STRUCTURAL MEMBERS)

- Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
- Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
- Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
- Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653
- Optimized bolted joint
[NASA-CASE-LAR-13250-1] c 37 N86-27630
- Method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N87-28416
- Three point lead screw positioning apparatus for a cavity tuning plate
[NASA-CASE-LEW-15216-1] c 37 N94-20375

PLATFORMS

- Expandable pallet for space station interface attachments
[NASA-CASE-MSC-21117-2] c 18 N89-28554

PLATING

- Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
- Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
- Scanning nozzle plating system --- for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
- Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494

PLATINUM

- Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252
- Platinum resistance thermometer circuit
[NASA-CASE-MSC-12327-1] c 35 N77-27368
- High temperature sorbents for oxygen
[NASA-CASE-NPO-18409-1-CU] c 25 N93-19025
- Guanidine based vehicle/binders for use with oxides, metals, and ceramics
[NASA-CASE-LEW-15314-1] c 27 N94-20195

PLATINUM ALLOYS

- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338

PLAYBACKS

- Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
- Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246
- Disk memory device
[NASA-CASE-GSC-13196-1] c 60 N92-29132

PLENUM CHAMBERS

- Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
- Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457
- Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- Gas arc constriction for plasma arc welding
[NASA-CASE-MFS-28844-1] c 37 N93-31292

PLETHYSMOGRAPHY

- Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N83-27578

PLOTTERS

- Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246
- Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

PLOTING

- Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

PLUG NOZZLES

- Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117
- Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 71 N84-14873

PLUGS

- Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
- Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
- Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
- Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766
- High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494
- Rotor self-lubricating axial stop
[NASA-CASE-MFS-28273-1] c 37 N88-23974
- Porous plug for reducing orifice induced pressure error in airfoils
[NASA-CASE-LAR-13569-1] c 35 N89-12841
- Method of producing a plug-type heat flux gauge
[NASA-CASE-LEW-14967-2] c 35 N92-22038
- Thruster sealing system and apparatus
[NASA-CASE-MSC-21898-1] c 37 N93-14702

PLUMES

- Hypervelocity impact shield
[NASA-CASE-MSC-21420-1] c 18 N92-15114

PLUNGERS

- Method and apparatus for releasably connecting first and second objects
[NASA-CASE-MSC-21517-1] c 31 N92-16161
- Check valve with poppet dashpot/frictional damping mechanism
[NASA-CASE-MSC-21950-1] c 37 N94-10658

PNEUMATIC CONTROL

- Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
- Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
- Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
- Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
- Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014
- Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465

PNEUMATIC EQUIPMENT

- High pressure air valve Patent
[NASA-CASE-MSC-11010] c 15 N71-19485
- Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
- Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227
- Pneumatic amplifier Patent
[NASA-CASE-MSC-12121-1] c 15 N71-27147
- Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
- Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
- Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465

Gas-to-hydraulic power converter

- [NASA-CASE-MSC-18794-1] c 44 N83-14693
- System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443
- Method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-2] c 07 N86-20389
- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469

POINT SOURCES

- Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

POINTING CONTROL SYSTEMS

- Rotable accurate reflector system for telescopes Patent
[NASA-CASE-NPO-10468] c 23 N71-33229
- All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
- Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
- Magnetic suspension and pointing system --- on a carrier vehicle
[NASA-CASE-LAR-11889-1] c 35 N79-26372
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- Balanced bridge feedback control system
[NASA-CASE-NPO-17430-1-CU] c 33 N90-21951

POINTS (MATHEMATICS)

- Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701

POLAR ORBITS

- Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676

POLARIMETERS

- Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
- Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446

POLARIMETRY

- Data volume reduction for imaging radar polarimetry
[NASA-CASE-NPO-17184-1-CU] c 32 N88-26541
- Method for providing a polarization filter for processing synthetic aperture radar image data
[NASA-CASE-NPO-17904-1-CU] c 32 N91-13594

POLARITY

- Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
- Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
- Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
- Method and apparatus for determining return stroke polarity of distant lightning
[NASA-CASE-MFS-26102-1-CU] c 47 N91-15661
- Electrorepulsive actuator
[NASA-CASE-NPO-17684-1-CU] c 33 N92-22042
- Method and apparatus for determining return stroke polarity of distant lightning
[NASA-CASE-MFS-26102-2-CU] c 47 N93-10108

POLARIZATION (WAVES)

- System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
- Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

POLARIZED ELECTROMAGNETIC RADIATION

- Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
- Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
- Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
- Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
- Reciprocating linear motor
[NASA-CASE-GSC-12773-2] c 33 N87-23904

POLARIZED LIGHT

- Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
- Polarization perception device
[NASA-CASE-MSC-21915-1] c 74 N92-30027
- Display system employing acousto-optic tunable filter
[NASA-CASE-NPO-18736-1-CU] c 74 N94-15933

POLARIZED RADIATION

- Microwave limb sounder — measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685

POLARIZERS

- Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891
- Wind dynamic range video camera
[NASA-CASE-MFS-25750-1] c 32 N86-20647
- Non-mechanical optical path switching and its application to dual beam spectroscopy including gas filter correlation radiometry
[NASA-CASE-LAR-14588-1-CU] c 74 N92-29117

POLES

- Radial and torsionally controlled magnetic bearing
[NASA-CASE-GSC-12957-1] c 37 N87-17038

POLISHING

- Conforming polisher for aspheric surface of revolution
Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

POLLUTION CONTROL

- System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457
- Combustion engine — for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
- Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- Apparatus and method for destructive removal of particles contained in flowing fluid
[NASA-CASE-NPO-15426-1] c 35 N84-17555
- Combined air and water pollution control system
[NASA-CASE-NST-00007-1] c 45 N91-14662

POLLUTION MONITORING

- Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
- Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
- Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
- Method for detecting pollutants — through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
- Automated syringe sampler — remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407

POLYAMIDE RESINS

- Vitro-violet process for producing flame resistant polyamides and products produced thereby — protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-2] c 27 N84-22746
- Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N84-28484
- Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups
[NASA-CASE-LAR-12723-1] c 27 N85-20123
- Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727
- Fire and heat resistant laminating resins based on maleimide and citraconimide substituted 1,2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N87-23751
- Wet spinning of solid polyamic acid fibers
[NASA-CASE-LAR-14162-1] c 27 N90-15259
- A process for preparing 1,3-diamino-5-pentafluorosulfanylbenzene and polymers therefrom
[NASA-CASE-LAR-14773-1-CU] c 27 N92-10105
- Processing for maximizing the level of crystallinity in linear aromatic polyimides
[NASA-CASE-LAR-14481-1] c 25 N92-16043
- Polyimides with improved compression moldability
[NASA-CASE-LAR-14457-1] c 27 N93-25997
- Process to prepare 1,3-diamino-5-pentafluorosulfanylbenzene
[NASA-CASE-LAR-14773-2-CU] c 25 N93-29506
- Polyimide processing additives
[NASA-CASE-LAR-13669-2] c 27 N94-23079

POLYBENZIMIDAZOLE

- Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- Polybenzimidazoles via aromatic nucleophilic displacement
[NASA-CASE-LAR-14643-1] c 27 N92-29953
- Di(hydroxyphenyl)-benzimidazole monomers
[NASA-CASE-LAR-14643-2] c 27 N94-23305

POLYBUTADIENE

- New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
- Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
- Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228

POLYCARBONATES

- Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- Poly(carbonate-mide) polymer
[NASA-CASE-LAR-13292-1] c 27 N86-24841
- Helmet of a laminate construction of polycarbonate and polysulfone polymeric material
[NASA-CASE-MSC-21503-1] c 27 N92-10091

POLYCRYSTALS

- Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
- Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- Quasi-containerless glass formation method and apparatus
[NASA-CASE-MFS-28090-1] c 27 N87-21111

POLYESTERS

- Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
- Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917
- Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043
- Sulfone-ester polymers containing pendant ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N86-27450
- Ethynyl terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-2] c 27 N87-16907
- Tapered, tubular polyester fabric
[NASA-CASE-MSC-21082-1] c 27 N87-29672
- Polyether-polyester graft copolymer
[NASA-CASE-LAR-13447-1] c 27 N88-18725

POLYETHER RESINS

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- Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
- Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- Phenoxy resins containing pendant ethynyl groups and cured resins obtained therefrom
[NASA-CASE-LAR-13262-1] c 23 N85-28973
- Polyether-polyester graft copolymer
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[NASA-CASE-NPO-18694-1-CU] c 33 N94-17325

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[NASA-CASE-LAR-12181-1] c 27 N78-17205
- Low density bismaleimide-carbon microballoon composites — aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
- Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
- Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229

- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N84-14322
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N84-27685
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-2] c 27 N85-21347
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-3] c 27 N85-21350
- Chemical approach for controlling nadimide cure temperature and rate with maleimide
[NASA-CASE-LEW-13770-4] c 27 N85-21351
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[NASA-CASE-LEW-13770-5] c 27 N85-21352
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[NASA-CASE-LEW-13770-2] c 25 N85-28982
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- High temperature resistant polyimide from tetra ester, diamine, diester and N-arylnadimide
[NASA-CASE-LEW-13864-1] c 27 N86-19457
- Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304
- Vinyl capped addition polyimides
[NASA-CASE-LEW-15027-1] c 27 N91-13566
- Addition polyimides with enhanced processability
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- Semi-interpenetrating polymer network for tougher and more microcracking resistant high temperature polymers
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- Polyimide foam for the thermal insulation and fire protection
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[NASA-CASE-LEW-10199-1] c 27 N74-23125
- Polyimides of ether-linked aryl tetracarboxylic dianhydrides
[NASA-CASE-MFS-22355-1] c 23 N76-15268
- Process for preparing thermoplastic aromatic polyimides
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- Ambient cure polyimide foams — thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides — flame retardant foams
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- Crystalline polyimides — reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
- Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078
- Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
- Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
- Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041
- Process for preparing solvent resistant, thermoplastic aromatic poly(imidesulfone)
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- Elastomer toughened polyimide adhesives — bonding metal and composite material structures for aircraft and spacecraft
[NASA-CASE-LAR-12775-2] c 27 N85-21349
- Fire-resistant phosphorus containing polyimides and copolyimides
[NASA-CASE-ARC-11522-2] c 27 N85-34280
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- Process of end-capping a polyimide system
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[NASA-CASE-LAR-13292-1] c 27 N86-24841
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[NASA-CASE-LAR-13353-1] c 27 N86-29039
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[NASA-CASE-LAR-13318-1] c 27 N87-14516
- Oxidation protection coatings for polymers
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[NASA-CASE-LAR-13633-1] c 27 N87-24575
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[NASA-CASE-LAR-13732-1] c 27 N87-25474
- Semi-2-interpenetrating networks of high temperature systems
[NASA-CASE-LAR-13450-1] c 27 N87-28657
- Substituted 1,1,1-Triaryl-2,2,2-Trifluoroethanes and processes for their synthesis
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[NASA-CASE-LAR-14194-1] c 24 N90-15148
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- New Condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures
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- Aromatic polyimides containing a dimethylsilane-linked dianhydride
[NASA-CASE-LAR-14198-1] c 27 N90-26956
- Bis (4-(3,4-dimethylene-pyrrolidyl)-phenyl) methane
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Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
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Polymer of phosphonylmethyl-2,4- and -2,6-diamino benzene and polyfunctional monomer
[NASA-CASE-ARC-11506-2] c 23 N86-32525

Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526

The 5-(4-Ethynylphenoxy) isophthalic chloride
[NASA-CASE-LAR-13316-2] c 27 N87-14515

Ethynyl terminated ester oligomers and polymers therefrom
[NASA-CASE-LAR-13118-2] c 27 N87-16907

Process for preparing phthalocyanine polymer from imide containing bisphthalonitrile
[NASA-CASE-ARC-11511-2] c 27 N87-21112

Polyenamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-1-CU] c 27 N87-22847

Process for crosslinking and extending conjugated diene-containing polymers
[NASA-CASE-LAR-13452-1] c 27 N87-22848

Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N87-23751

Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphoryl) methyl -2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11533-3] c 27 N87-24564

Polyimides containing carbonyl and ether connecting groups
[NASA-CASE-LAR-13633-1] c 27 N87-24575

Process for developing crystallinity in linear aromatic polyimides
[NASA-CASE-LAR-13732-1] c 27 N87-25474

Semi-2-interpenetrating networks of high temperature systems
[NASA-CASE-LAR-13450-1] c 27 N87-28657

Aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-3] c 23 N88-24692

Polyenamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-2-CU] c 23 N89-12667

Predictive aging of polymers
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Cellular thermosetting fluoroepoxide polymers
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Copolyimide with a combination of flexibilizing groups
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New Condensation polyimides containing 1,1,1-triaryl-2,2,2-trifluoroethane structures
[NASA-CASE-LEW-14346-1] c 23 N90-19300

The 1-((diorganooxyphosphoryl)methyl)-2,4- and -2,6-diamido benzenes
[NASA-CASE-ARC-11425-4] c 23 N90-20133

Process for crosslinking methylene-containing aromatic polymers with ionizing radiation
[NASA-CASE-LAR-13448-1] c 27 N90-21198

Some 1-(diorganooxyphosphoryl)methyl-2,4- and -2,6-dinitro-benzenes
[NASA-CASE-ARC-11425-3] c 23 N90-23475

Noninvasive method and apparatus for monitoring the cure of polymeric materials
[NASA-CASE-LAR-13465-1] c 27 N90-23544

Graphite fluoride fiber polymer composite material
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Ladder polymers for use as high temperature stable resins or coatings
[NASA-CASE-LEW-14203-1] c 27 N91-15402

Processable polyimide adhesive and matrix composite resin
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Low dielectric fluorinated poly(phenylene ether ketone) film and coating
[NASA-CASE-LAR-13992-1-CU] c 23 N91-27220

Molecules with enhanced electronic polarizabilities based on defect-like states in conjugated polymers
[NASA-CASE-NPO-17633-1-CU] c 27 N91-27372

Addition polyimides with enhanced processability
[NASA-CASE-LEW-15043-1] c 27 N91-32230

A process for preparing an assembly of an article and a polyimide which resists dimensional change, delamination, and debonding when exposed to changes in temperature
[NASA-CASE-LAR-14538-1] c 27 N92-11201

Substituted 1,1,1-triaryl-2,2,2-trifluoroethanes and processes for their synthesis
[NASA-CASE-LEW-14345-6] c 23 N92-17882

Tough, high performance, addition-type thermoplastic polymers
[NASA-CASE-LAR-14346-1] c 27 N92-22044

Poly(1,3,4-oxadiazoles) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14427-1] c 23 N92-29141

Boron-carbon-silicon polymers and ceramic and a process for the production thereof
[NASA-CASE-ARC-11891-2-SB] c 27 N92-34160

Low toxicity high temperature PMR polyimide
[NASA-CASE-LAR-14639-1] c 27 N93-14709

Poly(1,2,4-triazole) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14440-1] c 23 N93-18283

High temperature polymer from maleimide-acetylene terminated monomers
[NASA-CASE-LAR-14475-1] c 27 N93-19327

Polyimides prepared from 3,5-diamino benzo trifluoride
[NASA-CASE-LAR-14206-1] c 27 N93-29083

Structures from low dielectric polyimides
[NASA-CASE-LAR-14988-1] c 27 N94-15880

POLYMERS

Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237

Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161

Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620

Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903

Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147

Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764

Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710

Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308

Method for separating biological cells --- suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715

Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383

Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437

Phosphorus-containing imide resins
[NASA-CASE-ARC-11388-3] c 27 N84-22745

Carboranyl-methylene-substituted phosphazenes and polymers thereof
[NASA-CASE-ARC-11370-1] c 27 N84-22750

Process for improving moisture resistance of epoxy resins by addition of chromium ions
[NASA-CASE-LAR-13226-1] c 27 N85-34282

Polyarylene ethers with improved properties
[NASA-CASE-LAR-13555-1] c 23 N86-32526

Oxidation protection coatings for polymers
[NASA-CASE-LEW-14072-3] c 27 N87-23736

Etching method for photoresists or polymers
[NASA-CASE-ARC-11873-2] c 25 N91-31258

Process for application of powder particles to filamentary materials
[NASA-CASE-LAR-14231-1] c 24 N92-10070

Polymer-coated surfaces to control surface zeta potential
[NASA-CASE-MFS-26050-1] c 27 N92-25397

Poly(1,2,4-triazole) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14440-1] c 23 N93-18283

Atomic oxygen protective coating with resistance to undercutting at defect sites
[NASA-CASE-LEW-15306-1] c 27 N93-20566

Polyimide from bis(n-isoprenyl)s of aryl diamides
[NASA-CASE-LAR-14330-2-CU] c 27 N93-22033

Ion exchange polymers and method for making
[NASA-CASE-LEW-15576-1] c 27 N93-31316

Method of determining shear stress employing a monomer-polymer laminate structure
[NASA-CASE-LAR-14654-2] c 39 N94-23308

POLYMETHYL METHACRYLATE
Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164

Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854

POLYPHENYLENE ETHER
Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749

Low dielectric fluorinated poly(phenylene ether ketone) film and coating
[NASA-CASE-LAR-13992-1-CU] c 23 N91-27220

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Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040

Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N84-22749

Polyphenylquinoxalines via aromatic nucleophilic displacement
[NASA-CASE-LAR-13988-1] c 23 N89-11814

Polyphenylquinoxalines containing alkylendioxy groups
[NASA-CASE-LAR-13601-1-CU] c 27 N89-14337

Low dielectric fluorinated poly(phenylene ether ketone) film and coating
[NASA-CASE-LAR-13992-1-CU] c 23 N91-27220

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POLYQUINOXALINES
Polyphenylquinoxalines containing alkylendioxy groups
[NASA-CASE-LAR-13601-1-CU] c 27 N89-14337

POLYSACCHARIDES
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236

POLYTETRAFLUOROETHYLENE

Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404

Diffusely reflecting paints including polytetrafluoroethylene and method of manufacture
[NASA-CASE-GSC-12883-1] c 27 N85-29044

Wide angle, single screen, gridded square-loop frequency selective surface for duplexing two closely separated frequency bands
[NASA-CASE-NPO-18664-1-CU] c 89 N94-17438

POLYURETHANE FOAM
Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135

Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739

Flexible fire retardant polyisocyanate modified neoprene foam --- for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814

Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310

Mixing insert for foam dispensing apparatus
[NASA-CASE-MFS-20607-1] c 37 N76-19436

Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11349-1] c 37 N86-20797

POLYURETHANE RESINS

Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254

Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144

Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151

Polyurethanes of fluorine containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099

Polyurethanes from fluoroalkyl propylene glycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100

Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103

Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076

Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213

POLYVINYL ALCOHOL

In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481

Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516

In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257

Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615

Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160

Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188

Ion exchange polymers and method for making
[NASA-CASE-LEW-15576-1] c 27 N93-31316

POLYVINYL CHLORIDE

Hydraulic lifting device
[NASA-CASE-SSC-00008-1] c 37 N91-13733

PONDS

Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474

PORCELAIN

Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160

POROSITY

Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371

Krypton based adsorption type cryogenic refrigerator
[NASA-CASE-NPO-17334-1-CU] c 31 N88-23917

Porous plug for reducing orifice induced pressure error in airfoils
[NASA-CASE-LAR-13569-1] c 35 N89-12841

Method for maintaining precise suction strip porosities
[NASA-CASE-LAR-13638-1] c 31 N90-19427

Regenerative Cu/La zeolite supported desulfurizing sorbents
[NASA-CASE-NPO-17480-1-CU] c 25 N92-10073

Toughened uni-piece fibrous insulation
[NASA-CASE-ARC-11888-1] c 24 N92-16026

Passive control of pressure loads using porosity
[NASA-CASE-LAR-14547-1] c 34 N92-17909

Control and augmentation of passive porosity through transpiration control
[NASA-CASE-LAR-14682-1] c 34 N92-30387

Selective formation of porous silicon
[NASA-CASE-NPO-18735-1-CU] c 27 N94-15960

POROUS MATERIALS

Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468

Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046

Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048

Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993

Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137

Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103

Porus electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108

Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692

Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426

Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171

Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172

Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176

Water-absorbing capacitor system for measuring relative humidity
[NASA-CASE-NPO-16544-1-CU] c 35 N87-22953

Control and augmentation of passive porosity through transpiration control
[NASA-CASE-LAR-14682-1] c 34 N92-30387

Method for preparation of a microporous structure with layered interstitial surface treatment
[NASA-CASE-MSC-21487-2] c 24 N93-29023

Buried porous silicon-germanium layers in monocrystalline silicon lattices and method of producing
[NASA-CASE-NPO-18836-1-CU] c 76 N94-17327

POROUS PLATES

Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197

PORPHYRINS

Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714

PORTABLE EQUIPMENT

Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932

Portable superclean air column device Patent
[NASA-CASE-XMF-05114-2] c 15 N71-22721

Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148

Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654

Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518

One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085

Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413

Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420

Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361

System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395

Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454

Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163

Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808

Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299

Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949

Two-dimensional scanner apparatus — flaw detector in small flat plates
[NASA-CASE-MFS-25687-1] c 35 N84-22928

Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766

Portable pallet weighing apparatus
[NASA-CASE-GSC-12789-1] c 35 N85-20294

Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631

Portable 90 degree proof loading device
[NASA-CASE-MSC-20250-1] c 35 N86-19581

Acoustic guide for noise-transmission testing of aircraft
[NASA-CASE-LAR-13111-1-CU] c 71 N87-21652

PORTABLE LIFE SUPPORT SYSTEMS

Portable breathing system — a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799

PORTS (OPENINGS)

Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256

Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

POSITION (LOCATION)

Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958

Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090

Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067

Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080

Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173

Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696

Collimator of multiple plates with axially aligned identical random arrays of apertures
[NASA-CASE-MFS-20546-2] c 14 N73-30389

Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877

Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194

Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331

Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404

X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898

Adjustable indicating device for load position
[NASA-CASE-MFS-28008-1] c 35 N85-20300

Controlled sample orientation and rotation in an acoustic levitator
[NASA-CASE-NPO-17086-1-CU] c 35 N89-14422

Acoustic controlled rotation and orientation
[NASA-CASE-NPO-16995-1-CU] c 71 N90-12289

Variable magnification glancing incidence x ray telescope
[NASA-CASE-MFS-28013-2] c 89 N91-14096

Acoustic positioning and orientation prediction
[NASA-CASE-NPO-17511-1-CU] c 71 N91-14807

Remote object configuration/orientation determination
[NASA-CASE-NPO-17436-1-CU] c 35 N91-15512

System and method for measuring ocean surface currents at locations remote from land masses using synthetic aperture radar
[NASA-CASE-NPO-17937-1-CU] c 43 N91-21621

Emergency locating transmitter
[NASA-CASE-GSC-12821-2] c 33 N91-31530

Apparatus for precision focussing and positioning of a beam waist on a target
[NASA-CASE-ARC-11916-1-SB] c 74 N92-16811

Two dimensional vernier
[NASA-CASE-MSC-21700-1] c 35 N92-22039

Discrete optical fiber strain sensor
[NASA-CASE-LAR-14810-1-SB] c 35 N93-19492

POSITION ERRORS

Force reflection with compliance control
[NASA-CASE-NPO-18668-1-CU] c 37 N94-10654

POSITION INDICATORS

Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432

Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179

Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099

Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585

Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401

Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174

Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367

Position determination systems — using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250

Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552

Synchronization tracking in pulse position modulation receiver
[NASA-CASE-NPO-16256-1] c 32 N87-21207

Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N87-22678

Legislated emergency locating transmitters and emergency position indicating radio beacons
[NASA-CASE-GSC-12892-1] c 32 N89-14374

Visual aid for the hearing impaired
[NASA-CASE-GSC-13027-1-CU] c 35 N91-27522

Double-driven shield capacitive type proximity sensor
[NASA-CASE-GSC-13541-1] c 63 N94-15946

POSITION SENSING

Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099

Laser optical disk position encoder with active heads
[NASA-CASE-GSC-13175-1] c 74 N92-29133

Sample positioning in microgravity
[NASA-CASE-NPO-18448-1-CU] c 29 N92-30083

Sample positioning in microgravity
[NASA-CASE-NPO-18448-1-CU] c 29 N93-24600

Method and apparatus for deflection measurements using eddy current effects
[NASA-CASE-GSC-13506-1] c 35 N93-26103

Capacitance camera
[NASA-CASE-GSC-13564-1] c 35 N94-15872

Double-driven shield capacitive type proximity sensor
[NASA-CASE-GSC-13541-1] c 63 N94-15946

Rotary encoding device using polygonal mirror with diffraction gratings on each facet
[NASA-CASE-GSC-13543-1] c 74 N94-20240

POSITIONING

Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898

Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371

Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955

Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740

Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813

Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N87-21304

Acoustic positioning and orientation prediction
[NASA-CASE-NPO-17511-1-CU] c 71 N91-14807

Alignment positioning mechanism
[NASA-CASE-MSC-21502-1] c 37 N91-21543

Apparatus for precision focussing and positioning of a beam waist on a target
[NASA-CASE-ARC-11916-1-SB] c 74 N92-16811

POSITIONING DEVICES (MACHINERY)

Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812

Caterpillar micro positioner
[NASA-CASE-GSC-10780-1] c 14 N72-16283

Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462

Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267

Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304

Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014

Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760

Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400

Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083

Load positioning system with gravity compensation
[NASA-CASE-ARC-11525-1] c 37 N86-27629

Gripping device
[NASA-CASE-MSC-21365-1] c 37 N90-20408

Sample positioning in microgravity
[NASA-CASE-NPO-18448-1-CU] c 29 N92-30083

Page turning system
[NASA-CASE-GSC-13415-1] c 37 N92-33616

Sample positioning in microgravity
[NASA-CASE-NPO-18448-1-CU] c 29 N93-24600

Counter-balanced, multiple cable construction crane
[NASA-CASE-LAR-14565-1-CU] c 37 N94-20369

Three point lead screw positioning apparatus for a cavity tuning plate
[NASA-CASE-LEW-15216-1] c 37 N94-20375

Turntable mechanism
[NASA-CASE-MFS-28522-1] c 37 N94-20380

POSITIVE FEEDBACK

Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015

POSITRONS

Slow positron beam generator for lifetime studies
[NASA-CASE-LAR-14250-1-SB] c 72 N91-27936

POTABLE WATER

Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207

Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086

Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933

Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779

Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853

Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784

Degassifying and mixing apparatus for liquids — potable water for spacecraft
[NASA-CASE-MSC-18936-1] c 35 N83-29652

Regenerable biocide delivery unit
[NASA-CASE-MSC-21763-1-SB] c 51 N93-18351

POTASSIUM SILICATES

Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014

POTENTIOMETERS

Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395

POTENTIOMETERS (INSTRUMENTS)

Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073

Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809

Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952

Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698

POTTING COMPOUNDS

Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409

Flexible, repairable, pottable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881

Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105

POWDER (PARTICLES)

Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358

Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 37 N84-16561

Method of making single crystal fibers
[NASA-CASE-LEW-14921-1] c 24 N91-13502

Preparing composite materials from matrices of processable aromatic polyimide thermoplastic blends
[NASA-CASE-LAR-14107-1] c 24 N91-25200

Process for application of powder particles to filamentary materials
[NASA-CASE-LAR-14231-1] c 24 N92-10070

Method of making contamination-free ceramic bodies
[NASA-CASE-LEW-14984-1] c 27 N92-16122

Polyimide molding powder, coating, adhesive, and matrix resin
[NASA-CASE-LAR-14163-1] c 27 N92-33014

Ceramic fiber reinforced glass-ceramic matrix composite
[NASA-CASE-LEW-15262-1] c 24 N93-26100

Vacuum powder injector and method of impregnating fiber with powder
[NASA-CASE-LAR-14179-1] c 31 N93-26101

- Magnetic power piston fluid compressor
[NASA-CASE-GSC-13565-1] c 37 N94-23831
- POWDER METALLURGY**
Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076
Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137
Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121
Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448
Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179
Cermets composition and method of fabrication --- heat resistant alloys and powders
[NASA-CASE-NPO-13120-1] c 27 N76-15311
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
Method of coating a substrate with a rapidly solidified metal
[NASA-CASE-GSC-12880-1] c 26 N86-32550
One step HIP canning of powder metallurgy composites
[NASA-CASE-LEW-14719-1] c 24 N90-23493
Method of making carbide/fluoride/silver composites
[NASA-CASE-LEW-14902-1] c 24 N91-27244
- POWDERED ALUMINUM**
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
- POWER AMPLIFIERS**
Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429
Cascaded transformerless DC-DC voltage amplifier with optically isolated switching devices
[NASA-CASE-NPO-17994-1-CU] c 33 N93-18278
Method for remotely powering a device such as a lunar rover
[NASA-CASE-LAR-14789-1] c 37 N94-20587
- POWER CONDITIONING**
Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
Inelastic tunnel diodes
[NASA-CASE-LEW-13833-1] c 33 N85-21492
Power supply conditioning circuit
[NASA-CASE-NPO-17233-1-CU] c 33 N88-29095
- POWER CONVERTERS**
Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693
Microprocessor control of multiple peak power tracking DC/DC converters for use with solar cell arrays
[NASA-CASE-GSC-13450-1] c 44 N92-23463
Cascaded transformerless DC-DC voltage amplifier with optically isolated switching devices
[NASA-CASE-NPO-17994-1-CU] c 33 N93-18278
Forback DC-to-DC converter
[NASA-CASE-GSC-13404-1] c 33 N94-15874
- POWER EFFICIENCY**
Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329
Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007
Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136
- Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194
Linearized traveling wave amplifier with hard limiter characteristics
[NASA-CASE-LEW-13981-2] c 33 N86-21742
Low power consumption current transducer
[NASA-CASE-NPO-16888-1-CU] c 33 N89-29681
Optical fiber sensor having an active core
[NASA-CASE-LAR-14607-1-SB] c 74 N94-20586
- POWER FACTOR CONTROLLERS**
Triac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424
Motor power control circuit for ac induction motors
[NASA-CASE-MFS-25323-1] c 33 N84-22886
Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769
Power control for ac motor
[NASA-CASE-MFS-25861-1] c 33 N85-22877
- POWER GAIN**
Serrrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
- POWER LIMITERS**
Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221
- POWER LINES**
Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
Motor run-up system --- power lines
[NASA-CASE-NPO-13374-1] c 33 N75-19524
Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397
Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319
Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N86-20669
- POWER REACTORS**
Low power consumption current transducer
[NASA-CASE-NPO-16888-1-CU] c 33 N89-29681
- POWER SERIES**
Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
- POWER SPECTRA**
Method and apparatus for high resolution spectral analysis
[NASA-CASE-NPO-10748] c 08 N72-20177
Instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N83-29651
- POWER SUPPLIES**
Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391
High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
- POWER SUPPLY CIRCUITS**
Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055
Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
- Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
LC-oscillator with automatic stabilized amplitude via bias current control --- power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732
Integrable power gyrator --- with Z-matrix design using parallel transistors
[NASA-CASE-MFS-22342-1] c 33 N75-30428
The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913
Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
Triac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
Arc lamp power supply using a voltage multiplier
[NASA-CASE-LAR-13202-1] c 33 N88-23942
- PREAMPLIFIERS**
Electronic still camera
[NASA-CASE-MSC-21797-1] c 35 N93-17076
- PREBURNERS**
Turbomachinery shaft insert
[NASA-CASE-MFS-28345-2] c 37 N89-28842
- PRECESSION**
Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295
- PRECIPITATION (CHEMISTRY)**
Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
Human serum albumin crystals and method of preparation
[NASA-CASE-MFS-28234-1] c 52 N90-20616
- PRECIPITATORS**
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
Electronic precipitator control
[NASA-CASE-LAR-13273-2] c 33 N90-20320
- PRECISION**
Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
- PREDICTIONS**
Digital phase-lock loop having an estimator and predictor of error
[NASA-CASE-NPO-17196-1-CU] c 32 N88-29076
Predictive aging of polymers
[NASA-CASE-NPO-17524-1-CU] c 27 N90-10261
Predictive sensor method and apparatus
[NASA-CASE-SSC-00006-1] c 35 N91-13691
Acoustic positioning and orientation prediction
[NASA-CASE-NPO-17511-1-CU] c 71 N91-14807
Method and apparatus for predicting the direction of movement in machine vision
[NASA-CASE-NPO-17552-1-CU] c 54 N92-29129
Microwave temperature profiler for clear air turbulence prediction
[NASA-CASE-NPO-18115-1-CU] c 47 N92-29148
- PREFLIGHT OPERATIONS**
Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
- PREFORMS**
Method of preparing fiber reinforced ceramic material
[NASA-CASE-LEW-14392-1] c 27 N87-28656
Lightweight piston architecture
[NASA-CASE-LAR-13926-1] c 37 N90-22042

PRELAUNCH TESTS

- High temperature, flexible, fiber-preform seal
[NASA-CASE-LEW-15085-1] c 37 N92-22043
Method and apparatus for weaving a woven angle ply fabric
[NASA-CASE-LAR-14048-1] c 31 N93-29611

PRELAUNCH TESTS

- Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566

PREPOLYMERS

- Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N83-28240
Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups — for thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N83-34040

PREPREGS

- Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
Preparing composite materials from matrices of processable aromatic polyimide thermoplastic blends
[NASA-CASE-LAR-14107-1] c 24 N91-25200
Process for application of powder particles to filamentary materials
[NASA-CASE-LAR-14231-1] c 24 N92-10070
Low pressure process for continuous fiber reinforced polyamic acid resin matrix composite laminates
[NASA-CASE-LAR-14954-1] c 24 N92-34214
Continuous fiber thermoplastic prepreg
[NASA-CASE-LAR-14459-1] c 24 N93-24597
Vacuum powder injector and method of impregnating fiber with powder
[NASA-CASE-LAR-14179-1] c 31 N93-26101
Preparing polymeric matrix composites using an aqueous slurry technique
[NASA-CASE-LAR-14771-1] c 27 N94-23076

PRESSURE

- Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
High temperature, flexible pressure-actuated, brush seal
[NASA-CASE-LEW-15086-1] c 37 N92-16318

PRESSURE CHAMBERS

- Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913
Whole body measurement systems — for weightlessness simulation
[NASA-CASE-MSC-13972-1] c 52 N74-10975
Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
Weightlessness simulation system and process
[NASA-CASE-ARC-11646-1] c 14 N87-25344

PRESSURE DISTRIBUTION

- Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
Thermal barrier pressure seal — shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363
Continuous self-locking spiral wound seal — for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
Passive control of pressure loads using porosity
[NASA-CASE-LAR-14547-1] c 34 N92-17909
Probe systems for measuring static pressure and turbulence intensity in fluid streams
[NASA-CASE-ARC-11935-1] c 34 N94-23306

PRESSURE DRAG

- Multi-body aircraft with an all-movable center fuselage actively controlling fuselage pressure drag
[NASA-CASE-LAR-13511-1] c 05 N88-23765

PRESSURE DROP

- Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931

PRESSURE EFFECTS

- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
Evacuated, displacement compression mold — of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111
Internally supported flexible duct joint — device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469
Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N84-22559
Optical pressure sealing coupling apparatus
[NASA-CASE-MFS-29348-1] c 74 N89-25689
Ballast system for maintaining constant pressure in a glove box
[NASA-CASE-NPO-17786-1-CU] c 35 N90-17104
Thermal power transfer system using applied potential difference to sustain operating pressure difference
[NASA-CASE-NPO-18034-1-CU] c 44 N92-16457
Device for applying constant pressure to a surface
[NASA-CASE-GSC-13230-1] c 37 N92-28754

PRESSURE GAGES

- Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232
Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366

PRESSURE GRADIENTS

- Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
Undergoing compression vortex attenuation device
[NASA-CASE-LAR-14744-1] c 02 N94-10673

PRESSURE HEADS

- Head for high speed spinner having a vacuum chuck — holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482

PRESSURE MEASUREMENT

- Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232
Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345
High-temperature microphone system — for measuring pressure fluctuations in gases at high temperature
[NASA-CASE-LAR-12375-1] c 32 N79-24203
Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface — using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-2] c 52 N83-29991

- Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N84-22934
Method of and apparatus for measuring temperature and pressure — atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639
Device for quick changeover between wind tunnel force and pressure testing
[NASA-CASE-LAR-13512-1] c 35 N87-28884
Porous plug for reducing orifice induced pressure error in airfoils
[NASA-CASE-LAR-13569-1] c 35 N89-12841
Pressure measuring probe
[NASA-CASE-LAR-13853-1] c 35 N89-14423
Measurement of waves in flows across a surface
[NASA-CASE-NPO-17479-1-CU] c 34 N91-13658
Probe insertion apparatus with inflatable seal
[NASA-CASE-LEW-14965-1] c 37 N91-13732
Volumetric measurement of tank volume
[NASA-CASE-MSC-21500-1] c 35 N91-21493
Tank gauging apparatus and method
[NASA-CASE-MSC-21059-3] c 35 N91-21495
Pressure transducer and system for cryogenic environments
[NASA-CASE-LAR-14579-1] c 35 N92-29097
High temperature fiber optic microphone having a pressure-sensing reflective membrane under tensile stress
[NASA-CASE-LAR-14402-1-CU] c 74 N92-33017
Pilot-pressure probe for measuring pressure in a hypersonic wind tunnel
[NASA-CASE-LAR-14232-1] c 09 N92-34213
Acoustic device and method for measuring gas densities
[NASA-CASE-NPO-18155-1-CU] c 71 N93-13421
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[NASA-CASE-XMF-04367] c 09 N71-23545
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[NASA-CASE-NPO-14556-1] c 33 N82-24418

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[NASA-CASE-XLA-03076] c 07 N71-11266
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[NASA-CASE-MSC-12462-1] c 32 N74-20809
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- Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500
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Variable pulse width multiplier Patent
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[NASA-CASE-XGS-04224] c 10 N71-26418
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[NASA-CASE-XNP-09759] c 08 N71-24891
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[NASA-CASE-MSC-12165-1] c 07 N71-33696
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[NASA-CASE-MSC-12178-1] c 09 N71-13518
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[NASA-CASE-XGS-03058] c 10 N71-19547
Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
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[NASA-CASE-XGS-03632] c 09 N71-23311
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[NASA-CASE-GSC-11139] c 09 N71-27016
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[NASA-CASE-XNP-00745] c 10 N71-28960
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[NASA-CASE-XNP-06234] c 10 N71-27137
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[NASA-CASE-MSC-14129-1] c 33 N75-18479
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[NASA-CASE-MSC-20078-3] c 52 N91-14709

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[NASA-CASE-ERC-10178] c 16 N71-24832
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[NASA-CASE-GSC-11746-1] c 36 N75-19654
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[NASA-CASE-NPO-13550-1] c 36 N77-26477
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[NASA-CASE-MSC-18791-1] c 37 N83-36482
- High temperature resistant polyimide from tetra ester, diamine, diester and N-arynadimide
[NASA-CASE-LEW-13864-1] c 27 N86-19457
- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-2-SB] c 27 N90-21177
- Lightweight ceramic insulation and method
[NASA-CASE-MSC-20782-1] c 27 N90-23566
- Metallic threaded composite fastener
[NASA-CASE-MSC-21580-1] c 37 N92-21726
- Boron-carbon-silicon polymers and ceramic and a process for the production thereof
[NASA-CASE-ARC-11891-2-SB] c 27 N92-34160
- SIC fiber-reinforced Celsian glass-ceramic matrix composite
[NASA-CASE-LEW-15264-1] c 24 N93-31293
- Method of producing a ceramic fiber-reinforced glass-ceramic matrix composite
[NASA-CASE-LEW-15264-2] c 24 N93-31299
- REFRACTORY METALS**
- Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812
- Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
- Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
- Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
- Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
- Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
- Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
- Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N78-16229
- Method of making an apertured casting --- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
- One step HIP canning of powder metallurgy composites
[NASA-CASE-LEW-14719-1] c 24 N90-23493
- High temperature refractory member with radiation emissive overcoat
[NASA-CASE-NPO-17122-1-CU] c 27 N91-14489
- REFRIGERATING**
- Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625

REGENERATIVE COOLING

- Ultra-high temperature stability Joule-Thomson cooler with capability to accommodate pressure variations
[NASA-CASE-NPO-18184-1-CU] c 35 N92-29156
- REFRIGERATING MACHINERY**
- Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
- Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
- Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
- Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897
- Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026
- Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 31 N85-21404
- Oxygen chemisorption cryogenic refrigerator
[NASA-CASE-NPO-16734-1-CU] c 31 N88-14223
- REFRIGERATORS**
- Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- Helium refrigerator
[NASA-CASE-NPO-13435-1] c 31 N76-14284
- Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082
- Ten degree Kelvin hydride refrigerator
[NASA-CASE-NPO-16393-1-CU] c 31 N87-21159
- Krypton based adsorption type cryogenic refrigerator
[NASA-CASE-NPO-17334-1-CU] c 31 N88-23917
- Cryogenic regenerator including saran-carbon heat conduction matrix
[NASA-CASE-NPO-17291-1-CU] c 34 N88-23946
- Self-actuating heat switches for redundant refrigeration systems
[NASA-CASE-NPO-17085-1-CU] c 31 N89-12785
- Joule Thomson refrigerator
[NASA-CASE-NPO-17143-1-CU] c 31 N89-14351
- Two stage sorption type cryogenic refrigerator including heat regeneration system
[NASA-CASE-NPO-17630-1-CU] c 31 N89-29577
- Multicomponent gas sorption Joule-Thomson refrigeration
[NASA-CASE-NPO-17569-1-CU] c 31 N92-15203
- Three-stage sorption type cryogenic refrigeration systems and methods employing heat regeneration
[NASA-CASE-NPO-18366-1-CU] c 31 N93-13422
- REFUELING**
- Quick-disconnect inflatable seal assembly
[NASA-CASE-KSC-11368-1] c 37 N89-13786
- System for connecting fluid couplings
[NASA-CASE-MFS-26042-1-SB] c 37 N91-14613
- REGENERATION (ENGINEERING)**
- Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- Cryogenic regenerator including saran-carbon heat conduction matrix
[NASA-CASE-NPO-17291-1-CU] c 34 N88-23946
- Regenerative Cu/La zeolite supported desulfurizing sorbents
[NASA-CASE-NPO-17480-1-CU] c 25 N92-10073
- REGENERATION (PHYSIOLOGY)**
- Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863
- Method and apparatus for bio-regenerative life support system
[NASA-CASE-MSC-21629-1] c 54 N91-31803
- REGENERATIVE COOLING**
- Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
- Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992
- Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
- Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- Three-stage sorption type cryogenic refrigeration systems and methods employing heat regeneration
[NASA-CASE-NPO-18366-1-CU] c 31 N93-13422

REGENERATIVE FUEL CELLS

Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052

REGENERATORS

Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
Two stage sorption type cryogenic refrigerator including heat regeneration system
[NASA-CASE-NPO-17630-1-CU] c 31 N89-29577

REGISTERS (COMPUTERS)

Variable digital processor including a register for shifting and rotating bits in either direction Patent
[NASA-CASE-GSC-10186] c 08 N71-33110
Priority interrupt system — comprised of four registers
[NASA-CASE-NPO-13067-1] c 60 N76-18800

REINFORCED PLASTICS

Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125

REINFORCEMENT (STRUCTURES)

Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
Thermally activated retainer means utilizing shape memory alloy
[NASA-CASE-MSC-21793-1] c 16 N94-20304

REINFORCEMENT RINGS

Tube coupling device
[NASA-CASE-MFS-25964-2] c 37 N87-22977

REINFORCING FIBERS

Reinforced metallic composites Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
Method for producing fiber reinforced metallic composites Patent
[NASA-CASE-XLE-03925] c 18 N71-22894
Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100
Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
Crystalline polyimides — reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
High modulus rare earth and beryllium containing silicate glass compositions — for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N84-11213
Lightweight piston
[NASA-CASE-LAR-13150-1] c 24 N87-27742
Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N90-25196
Process for the manufacture of seamless metal-clad fiber-reinforced organic matrix composite structures
[NASA-CASE-LAR-13562-2] c 24 N91-25199
Continuous fiber thermoplastic prepreg
[NASA-CASE-LAR-14459-1] c 24 N93-24597
SiC fiber-reinforced Celsian glass-ceramic matrix composite
[NASA-CASE-LEW-15264-1] c 24 N93-31293
Method of producing a ceramic fiber-reinforced glass-ceramic matrix composite
[NASA-CASE-LEW-15264-2] c 24 N93-31299

REINFORCING MATERIALS

Numerical control fabrication technique for dynamic composite models
[NASA-CASE-LAR-14004-1] c 63 N93-19024

RELAXATION OSCILLATORS

Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882

RELAY SATELLITES

Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448

RELEASING

Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
Quick attach and release fluid coupling assembly Patent
[NASA-CASE-XKS-01985] c 15 N71-10782

Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
Slide release mechanism — for space shuttle orbiter/external tank connection device
[NASA-CASE-MSC-20080-1] c 37 N85-30334
Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N87-23983
Preloadable vector sensitive latch
[NASA-CASE-MSC-20910-1] c 37 N87-25582
Releasable clamping apparatus
[NASA-CASE-MFS-28192-1] c 37 N90-17154
Double swivel toggle release
[NASA-CASE-MSC-21436-1] c 37 N90-21390
Quick action clamp
[NASA-CASE-LEW-14887-1] c 37 N91-27561
Method and apparatus for releasably connecting first and second objects
[NASA-CASE-MSC-21517-1] c 31 N92-16161

RELIABILITY ANALYSIS

Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495
Integrated circuit reliability testing
[NASA-CASE-NPO-17393-1-CU] c 33 N89-29679

RELIABILITY ENGINEERING

Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
Valving device for automatic refilling in cryogenic liquid systems
[NASA-CASE-NPO-11177] c 15 N72-17453
Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200
Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
Lightweight piston
[NASA-CASE-LAR-13150-1] c 24 N87-27742

RELIEF MAPS

Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711

RELIEF VALVES

Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466
Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
Ultra-high temperature stability Joule-Thomson cooler with capability to accommodate pressure variations
[NASA-CASE-NPO-18184-1-CU] c 35 N92-29156
Gas storage and recovery system
[NASA-CASE-MSC-22091-1] c 31 N93-28136

REMANENCE

Method and apparatus for using magneto-acoustic remanence to determine embrittlement
[NASA-CASE-LAR-13817-5] c 39 N92-28757
Magnetic remanence method and apparatus to test materials for embrittlement
[NASA-CASE-LAR-13817-4] c 39 N92-29101

REMOTE CONTROL

Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
Bimetallic power controlled actuator
[NASA-CASE-NXP-09776] c 09 N69-39929
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258
Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900

Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
Cooperative multi-axis sensor for teleoperation of article manipulating apparatus
[NASA-CASE-NPO-13386-1] c 54 N75-27758
Remotely operable articulated manipulator
[NASA-CASE-MFS-22707-1] c 37 N76-15457
Remote manipulator system
[NASA-CASE-MFS-22022-1] c 37 N76-15460
Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855
Terminal guidance sensor system — space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519
Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
Remotely controllable mixing system
[NASA-CASE-MFS-28153-1] c 31 N86-32589
Remotely operable peristaltic pump
[NASA-CASE-MFS-28059-1] c 37 N86-32738
Radial and torsionally controlled magnetic bearing
[NASA-CASE-GSC-12957-1] c 37 N87-17038
Apparatus and method of capturing an orbiting spacecraft
[NASA-CASE-MSC-20979-1] c 37 N87-22985
Remotely controlled spray gun
[NASA-CASE-MFS-28110-1] c 37 N87-24689
Improved docking alignment system
[NASA-CASE-MSC-21372-1] c 35 N89-12842
Magnetic attachment mechanism
[NASA-CASE-MSC-21095-1] c 37 N89-12866
Remotely controllable real-time optical processor
[NASA-CASE-NPO-16750-1-CU] c 74 N89-14078
A generalized compliant motion primitive
[NASA-CASE-NPO-18134-1-CU] c 37 N91-32510
End effector with astronaut foot restraint
[NASA-CASE-MSC-21721-1] c 54 N92-16559
Closed-loop motor control using high-speed fiber optics
[NASA-CASE-MSC-21806-1] c 74 N92-17863
Method and apparatus for preloading a joint by remotely operable means
[NASA-CASE-MSC-21940-1] c 37 N92-30540
Method and apparatus for preloading a joint by remotely operable means
[NASA-CASE-MSC-21940-1] c 37 N93-20120
Remote tire pressure sensing technique
[NASA-CASE-LAR-14160-1] c 35 N94-15884

REMOTE HANDLING

Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N72-28495
Apparatus for remote handling of materials — mixing or analyzing dangerous chemicals
[NASA-CASE-LAR-10634-1] c 37 N74-18123
Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721
Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
Apparatus for sequentially transporting containers
[NASA-CASE-MFS-23846-1] c 37 N82-32731
Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286
Space spider crane
[NASA-CASE-LAR-13411-1-SB] c 18 N88-23828
Mobile remote manipulator system for a tetrahedral truss
[NASA-CASE-MSC-20985-1] c 18 N88-26398

REMOTE MANIPULATOR SYSTEM

Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
Apparatus and method of capturing an orbiting spacecraft
[NASA-CASE-MSC-20979-1] c 37 N87-22985
Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N87-29118
Standard remote manipulator system docking target augmentation for automated docking
[NASA-CASE-MFS-28419-1] c 18 N91-27200
Synchronized computational architecture for generalized bilateral control of robot arms
[NASA-CASE-NPO-17401-1-CU] c 63 N91-31885

- End effector with astronaut foot restraint
[NASA-CASE-MSC-21721-1] c 54 N92-16559
- REMOTE SENSING**
Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846
Method for detecting surface motions and mapping small terrestrial or planetary surface deformations with synthetic aperture radar
[NASA-CASE-NPO-17831-1-CU] c 43 N91-14642
Remote object configuration/orientation determination
[NASA-CASE-NPO-17436-1-CU] c 35 N91-15512
Thermal remote anemometer system
[NASA-CASE-LAR-13508-1] c 35 N92-21710
Programmable hyperspectral image mapper with on-array processing
[NASA-CASE-NPO-17794-1-CU] c 74 N92-30104
Method and apparatus for deflection measurements using eddy current effects
[NASA-CASE-GSC-13506-1] c 35 N93-26103
Steering capacifactor sensor
[NASA-CASE-GSC-13489-1] c 63 N94-15704
- REMOTE SENSORS**
Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090
Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160
Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521
Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498
Method of and apparatus for measuring temperature and pressure --- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639
Improved real-time imaging spectrometer
[NASA-CASE-NPO-18410-1-CU] c 74 N93-29086
- REMOTELY PILOTED VEHICLES**
Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076
- REMOVAL**
Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
Device for removing foreign objects from anatomic organs
[NASA-CASE-GSC-13306-1] c 52 N92-33032
- REPEATERS**
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
- REPLACING**
Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182
High reliability robot friendly ORU interface
[NASA-CASE-GSC-13360-1] c 37 N92-23377
Bearing servicing tool
[NASA-CASE-MSC-21881-1] c 37 N93-14871
- RESCUE OPERATIONS**
Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351
- Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
Method of locating persons in distress --- by using radar imagery from radar reflectors
[NASA-CASE-LAR-11390-1] c 32 N77-21267
Apparatus and method of capturing an orbiting spacecraft
[NASA-CASE-MSC-20979-1] c 37 N87-22985
Airborne rescue system
[NASA-CASE-ARC-11909-1] c 03 N91-31113
Inflatable rescue device
[NASA-CASE-MSC-22244-1] c 54 N94-15883
- RESEARCH AIRCRAFT**
Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295
- RESEARCH AND DEVELOPMENT**
Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330
- RESEARCH FACILITIES**
Nano-G research laboratory for a spacecraft
[NASA-CASE-GSC-13197-1] c 18 N91-27201
- RESEARCH VEHICLES**
Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895
- RESERVOIRS**
Water cooled static pressure probe
[NASA-CASE-LAR-14340-1-CU] c 35 N92-21586
- RESIDUAL STRESS**
Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
Method of characterizing residual stress in ferromagnetic materials using a pulse histogram of acoustic emission signals
[NASA-CASE-LAR-14239-1] c 26 N93-14705
Method and apparatus for determination of material residual stress
[NASA-CASE-GSC-13451-1] c 39 N93-20118
- RESILIENCE**
Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
- RESIN BONDING**
Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404
Covered silicon solar cells and method of manufacture --- with polymeric films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163
- RESIN MATRIX COMPOSITES**
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
Elastomer coated fiber and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073
Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560
High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451
Process for preparing phthalocyanine polymer from imide containing bisphthalonitrile
[NASA-CASE-ARC-11511-2] c 27 N87-21112
Method of controlling a resin curing process --- for fiber reinforced composites
[NASA-CASE-MSC-21169-1] c 27 N89-29539
Ladder polymers for use as high temperature stable resins or coatings
[NASA-CASE-LEW-14203-1] c 27 N91-15402
Processable polyimide adhesive and matrix composite resin
[NASA-CASE-LAR-14101-1] c 27 N91-15403
Semi-interpenetrating polymer network for tougher and more microcracking resistant high temperature polymers
[NASA-CASE-LAR-13925-1] c 27 N92-21711
Low pressure process for continuous fiber reinforced polyamic acid resin matrix composite laminates
[NASA-CASE-LAR-14954-1] c 24 N92-34214
Semi-interpenetrating polymer network for tougher and more microcracking resistant high temperature polymers
[NASA-CASE-LAR-13925-2] c 27 N93-11059
- Low toxicity high temperature PMR polyimide
[NASA-CASE-LAR-14639-1] c 27 N93-14709
Poly(1,2,4-triazole) via aromatic nucleophilic displacement
[NASA-CASE-LAR-14440-1] c 23 N93-18283
- RESINS**
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489
Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532
Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N83-31854
Fire and heat resistant laminating resins based on maleimide and citraconimide substituted 1-(diorgano oxyphosphonyl) methyl -2,4- and -2,6- diaminobenzenes
[NASA-CASE-ARC-11533-3] c 27 N87-24564
Fire and heat resistant laminating resin based on maleimide and citraconimide substituted 1-(diorgano oxyphosphonyl-methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11533-2] c 27 N89-16042
Wet spinning of solid polyamic acid fibers
[NASA-CASE-LAR-14489-1] c 37 N91-27562
Ethynyl terminated imidothioethers and resins therefrom
[NASA-CASE-LAR-13910-2-CU] c 27 N91-31307
Polyimide molding powder, coating, adhesive, and matrix resin
[NASA-CASE-LAR-14163-1] c 27 N92-33014
Cyanoresin, cyanoresin/cellulose triacetate blends for thin film, dielectric capacitors
[NASA-CASE-NPO-18913-1-CU] c 27 N94-15930
- RESISTANCE**
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
Variable resistance constant tension and lubrication device --- using oil-saturated leather wiper
[NASA-CASE-KSC-10723-1] c 37 N75-13265
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933
- RESISTANCE HEATING**
Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
- RESISTANCE THERMOMETERS**
Sub-Kelvin resistance thermometer
[NASA-CASE-GSC-13406-1] c 35 N92-33614
- RESISTORS**
High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
Amplifier for measuring low-level signals in the presence of high common mode voltage
[NASA-CASE-MFS-25868-1] c 33 N86-20670
- RESOLUTION**
Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753
Television monitor field shifter and an opto-electronic method for obtaining a stereo image of optimal depth resolution and reduced depth distortion on a single screen
[NASA-CASE-NPO-17249-1-CU] c 32 N89-28676
Phase ambiguity resolution for offset QPSK modulation systems
[NASA-CASE-NPO-17853-1-CU] c 32 N91-25318
New kinematic functions for redundancy resolution using configuration control
[NASA-CASE-NPO-18608-1-CU] c 63 N93-17275
- RESOLVERS**
Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 33 N83-36355
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132
Angular measurement system
[NASA-CASE-MFS-25825-1] c 31 N86-29055

RESONANCE

Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305
Precision tunable resonant microwave cavity
[NASA-CASE-LEW-13935-1] c 33 N87-21234

RESONANT FREQUENCIES

Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021
Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
Microbalance — for measuring particle mass
[NASA-CASE-MSC-11242] c 35 N78-17358
Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N84-22887
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933
Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1-CU] c 35 N86-20752
Single mode levitation and translation
[NASA-CASE-NPO-16675-1-CU] c 71 N88-24241
Reflection oscillators employing series resonant crystals
[NASA-CASE-GSC-13173-1] c 33 N90-23635
Acoustic positioning and orientation prediction
[NASA-CASE-NPO-17511-1-CU] c 71 N91-14807
Method of recertifying a loaded bearing member
[NASA-CASE-LAR-14168-1] c 39 N92-34174
Wide angle, single screen, gridded square-loop frequency selective surface for duplexing two closely separated frequency bands
[NASA-CASE-NPO-18664-1-CU] c 89 N94-17438

RESONANT VIBRATION

Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
Acoustophoresis method and apparatus
[NASA-CASE-LAR-13388-1] c 25 N82-33611
High speed thin plate fatigue crack monitor
[NASA-CASE-LAR-14816-1-SB] c 39 N93-19329

RESONATORS

High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195
Low noise cryogenic dielectric resonator oscillator
[NASA-CASE-NPO-17157-1-CU] c 33 N88-26596
Method and circuit for shaping laser output pulses
[NASA-CASE-LAR-14203-1] c 36 N89-28817
Self-collimated unstable resonator semiconductor laser
[NASA-CASE-NPO-18386-1-CU] c 36 N93-18277
Aberration correction of unstable resonators
[NASA-CASE-NPO-18662-1-CU] c 74 N93-28428
Aberration correction of unstable resonators
[NASA-CASE-NPO-18791-1-CU] c 35 N94-15987

RESOURCE ALLOCATION

Dynamic resource allocation scheme for distributed heterogeneous computer systems
[NASA-CASE-NPO-17197-1-CU] c 62 N91-25693

RESPIRATION

Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202

RESPIRATORS

Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329

RESPIRATORY RATE

Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015
Metabolic analyzer — for measuring metabolic rate and breathing dynamics of human beings
[NASA-CASE-MFS-21415-1] c 52 N74-20728

RESPIROMETERS

Metabolic analyzer — for measuring metabolic rate and breathing dynamics of human beings
[NASA-CASE-MFS-21415-1] c 52 N74-20728

RESPONSE TIME (COMPUTERS)

Dynamic resource allocation scheme for distributed heterogeneous computer systems
[NASA-CASE-NPO-17197-1-CU] c 62 N91-25693

RESPONSES

Frequency division multiplex technique
[NASA-CASE-KSC-10521] c 07 N73-20176

RESTARTABLE ROCKET ENGINES

Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992

RESTORATION

Multiresponse imager and imaging process for improved resolution
[NASA-CASE-LAR-14779-1] c 74 N92-29951

RESUSCITATION

Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922

RETAINING

Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653
Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091
Payload retention device
[NASA-CASE-MSC-21906-1] c 37 N92-28727

RETRARDERS (DEVICES)

Thrust reverser for a long duct fan engine — for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293

RETRARDING

Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032

RETICLES

Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
Star scanner — with a reticle with a pair of slits having differing separation
[NASA-CASE-GSC-11569-1] c 89 N74-30886
Multiple axis reticle
[NASA-CASE-ARC-11886-1-SB] c 35 N91-14591

RETINA

Optical joint correlator for real-time image tracking and retinal surgery
[NASA-CASE-MSC-21509-1] c 74 N91-25840
Portable dynamic fundus instrument
[NASA-CASE-MSC-21675-1] c 52 N92-28755

RETINAL IMAGES

Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117

RETRACTABLE EQUIPMENT

Runway light Patent
[NASA-CASE-XLA-00119] c 11 N70-33329
Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
Antenna deployment mechanism for use with a spacecraft — extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690
Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
Retractable tool bit having latch type catch mechanism
[NASA-CASE-GSC-13359-1] c 37 N93-18286
Split rail gripper assembly and tool driver therefor
[NASA-CASE-GSC-13370-2] c 37 N93-18288

RETROFIRING

Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N89-27499
Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812

RETROREFLECTION

Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
Remote object configuration/orientation determination
[NASA-CASE-NPO-17436-1-CU] c 35 N91-15512

Multiperiod-grating surface-emitting lasers
[NASA-CASE-NPO-17763-1-CU] c 36 N93-14703
Reduction of parasitic lasing
[NASA-CASE-LAR-14645-1-SB] c 36 N94-15942

RETROREFLECTORS

Interferometer — high resolution
[NASA-CASE-NPO-14448-1] c 74 N81-29963
Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N87-21304
Equal path, phase shifting, sample point interferometer for monitoring the configuration of surfaces
[NASA-CASE-NPO-17913-1-CU] c 74 N92-22034
Reduction of parasitic lasing
[NASA-CASE-LAR-14645-1-SB] c 36 N94-15942

RETROCKET ENGINES

Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645

RETURN TO EARTH SPACE FLIGHT

Assured crew return vehicle
[NASA-CASE-MSC-21536-1] c 18 N92-21999

REUSABLE HEAT SHIELDING

High temperature glass thermal control structure and coating — for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
Thermally activated retainer means utilizing shape memory alloy
[NASA-CASE-MSC-21793-1] c 16 N94-20304

REUSABLE ROCKET ENGINES

Earth-to-orbit vehicle providing a reusable orbital stage
[NASA-CASE-LAR-13486-1] c 16 N90-22584

REUSABLE SPACECRAFT

Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854
Aerospace vehicle
[NASA-CASE-LAR-13155-1] c 05 N86-19310

REUSE

Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673
Cryogenic insulation system
[NASA-CASE-LAR-13506-1] c 27 N89-12741
Reusable high-temperature heat pipes and heat pipe panels
[NASA-CASE-LAR-13761-1] c 34 N90-20323

REVERSE OSMOSIS

Reverse osmosis membrane of high urea rejection properties — water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 51 N84-28361

REVERSED FLOW

Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059
Reversal electron attachment ionizer for detection of trace species
[NASA-CASE-NPO-17596-1-CU] c 35 N89-28795

REYNOLDS NUMBER

Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183

REYNOLDS STRESS

System for measuring Reynolds in a turbulently flowing fluid — signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517

RHENIUM

Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

RHEOMETERS

Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357

RHOMBOLDS

Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

RIBBONS

Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752
Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920

- Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
- Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
- Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474
- Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
- Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N91-15898
- Permanent wire splicing by an explosive joining process
[NASA-CASE-LAR-13825-1] c 31 N92-16162
- Device for mechanically stabilizing web ribbon buttons during growth initiation
[NASA-CASE-NPO-17074-2-CU] c 76 N92-21499
- RIBBLETS**
Combined riblet and lebu drag reduction system
[NASA-CASE-LAR-13286-1] c 02 N88-14071
- Polymer/riblet combination for hydrodynamic skin friction reduction
[NASA-CASE-LAR-14271-1-CU] c 27 N91-13558
- RIBOFLAVIN**
Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149
- RIBS (SUPPORTS)**
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
- RICE**
Modification of the physical properties of freeze-dried rice
[NASA-CASE-MS-C-13540-1] c 05 N72-33096
- RIDING QUALITY**
Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445
- RIGID ROTORS**
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- RIGID STRUCTURES**
Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975
- Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
- Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
- Telescoping columns -- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324
- Mechanical end joint system for connecting structural column elements
[NASA-CASE-LAR-14465-1] c 37 N91-14614
- Clevis joint for deployable space structures
[NASA-CASE-LAR-13898-1] c 37 N91-15544
- Pressure wall patch
[NASA-CASE-MFS-28724-1] c 18 N93-17061
- Suspension device for low-frequency structures
[NASA-CASE-LAR-14272-1-CU] c 14 N93-24598
- Pressure wall patch
[NASA-CASE-MFS-28724-1] c 18 N94-23824
- RIGID WINGS**
Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
- RIMS**
Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152
- RING CURRENTS**
Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- RING STRUCTURES**
Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
- Phase-locked servo system -- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
- Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
- Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
- Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091
- Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N86-28618
- Method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N87-28416
- RING WINGS**
Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
- RIPPLES**
Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
- RIVETS**
Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
- ROBOT ARMS**
Spiral lead platen robotic end effector
[NASA-CASE-LAR-13855-1] c 37 N91-14615
- Multi-fingered robotic hand
[NASA-CASE-NPO-15959-2] c 37 N91-14616
- Robot cable-compliant devices
[NASA-CASE-GSC-13127-1] c 37 N91-17388
- Method and apparatus for positioning a robotic end effector
[NASA-CASE-MS-C-21476-1] c 37 N91-21542
- Method and apparatus for configuration control of redundant robots
[NASA-CASE-NPO-17801-1-CU] c 37 N91-21544
- Robotic tool change mechanism
[NASA-CASE-GSC-13239-1] c 37 N91-31656
- Synchronized computational architecture for generalized bilateral control of robot arms
[NASA-CASE-NPO-17401-1-CU] c 63 N91-31885
- A generalized compliant motion primitive
[NASA-CASE-NPO-18134-1-CU] c 37 N91-32510
- High level language-based robotic control system
[NASA-CASE-NPO-17918-2-CU] c 63 N92-17895
- Configuration control of seven-degree-of-freedom arms
[NASA-CASE-NPO-18607-1-CU] c 37 N92-23553
- Controlling flexible robot arms using a high speed dynamics process
[NASA-CASE-NPO-18499-1-CU] c 37 N92-24042
- Controlling under-actuated robot arms using a high speed dynamics process
[NASA-CASE-NPO-18498-1-CU] c 37 N92-24043
- Double-V block fingers with cruciform recess
[NASA-CASE-GSC-13356-1] c 37 N92-24243
- Robot serviced space facility
[NASA-CASE-GSC-13408-1] c 18 N92-24244
- Rolling friction robot fingers
[NASA-CASE-GSC-13261-1] c 37 N92-29138
- Flexible robotic arm
[NASA-CASE-GSC-13161-1] c 37 N92-33634
- Hazardous materials emergency response mobile robot
[NASA-CASE-NPO-18690-1-CU] c 37 N92-34205
- Driven shielding capacitive proximity sensor
[NASA-CASE-GSC-13377-1] c 63 N93-14701
- Extended task space control for robotic manipulators
[NASA-CASE-NPO-18902-1-CU] c 37 N93-28129
- Force reflection with compliance control
[NASA-CASE-NPO-18668-1-CU] c 37 N94-10654
- Telerobot control system
[NASA-CASE-NPO-18116-1-CU] c 37 N94-10670
- ROBOT CONTROL**
Robust high-performance control for robotic manipulators
[NASA-CASE-NPO-17785-1-CU] c 37 N89-28846
- Spiral lead platen robotic end effector
[NASA-CASE-LAR-13855-1] c 37 N91-14615
- Method and apparatus for positioning a robotic end effector
[NASA-CASE-MS-C-21476-1] c 37 N91-21542
- A universal computer control system for motors
[NASA-CASE-NPO-17134-1-CU] c 33 N91-31528
- High level language-based robotic control system
[NASA-CASE-NPO-17918-2-CU] c 63 N92-17895
- Bi-level shared control for teleoperators
[NASA-CASE-NPO-17800-1-CU] c 37 N92-22036
- Double-V block fingers with cruciform recess
[NASA-CASE-GSC-13356-1] c 37 N92-24243
- Obstacle avoidance for redundant robots using configuration control
[NASA-CASE-NPO-17852-1-CU] c 63 N92-33019
- Hazardous materials emergency response mobile robot
[NASA-CASE-NPO-18690-1-CU] c 37 N92-34205
- The adaptive neuron model: An architecture for the rapid learning of nonlinear topological transformations
[NASA-CASE-NPO-18579-1-CU] c 63 N93-11174
- Terminal slider control of nonlinear robotic systems
[NASA-CASE-NPO-18584-1-CU] c 37 N93-11177
- A method for surmounting an obstacle by a robot vehicle
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- Operator-tailored adjustable control station with movable monitors and cameras for viewing systems in robotics and teleoperations
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- Force reflecting hand controller
[NASA-CASE-NPO-17851-1-CU] c 37 N93-23078
- Dual arm generalized compliant motion with shared control
[NASA-CASE-NPO-18738-1-CU] c 37 N93-28954
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[NASA-CASE-GSC-13435-1] c 37 N93-29505
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[NASA-CASE-NPO-17629-1-CU] c 60 N93-29608
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- Telerobot control system
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Spiral lead platen robotic end effector
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- Multi-fingered robotic hand
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- Robot cable-compliant devices
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- Method and apparatus for configuration control of redundant robots
[NASA-CASE-NPO-17801-1-CU] c 37 N91-21544
- Robotic tool change mechanism
[NASA-CASE-GSC-13239-1] c 37 N91-31656
- Flexible robotic arm
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- Controlling under-actuated robot arms using a high speed dynamics process
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- Method and apparatus for predicting the direction of movement in machine vision
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- Work attachment mechanism/work attachment fixture
[NASA-CASE-GSC-13430-1] c 37 N93-14712
- Operator-tailored adjustable control station with movable monitors and cameras for viewing systems in robotics and teleoperations
[NASA-CASE-NPO-17837-1-CU] c 74 N93-17273
- Near real-time stereo vision system
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Split rail gripper assembly and tool driver therefor
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[NASA-CASE-MSC-22028-1] c 37 N93-22007
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[NASA-CASE-NPO-17629-1-CU] c 60 N93-29608
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[NASA-CASE-MFS-28682-1] c 27 N94-20359
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[NASA-CASE-GSC-13452-1] c 37 N94-23078
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Robust high-performance control for robotic
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[NASA-CASE-NPO-17785-1-CU] c 37 N89-28846
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[NASA-CASE-NPO-17275-1-CU] c 37 N89-29750
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[NASA-CASE-GSC-13127-1] c 37 N91-17388
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[NASA-CASE-NPO-17801-1-CU] c 37 N91-21544
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[NASA-CASE-NPO-18134-1-CU] c 37 N91-32510
High level language-based robotic control system
[NASA-CASE-NPO-17918-2-CU] c 63 N92-17895
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[NASA-CASE-GSC-13360-1] c 37 N92-23377
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[NASA-CASE-NPO-18499-1-CU] c 37 N92-24042
Controlling under-actuated robot arms using a high
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[NASA-CASE-NPO-18498-1-CU] c 37 N92-24043
Double-V block fingers with cruciform recess
[NASA-CASE-GSC-13356-1] c 37 N92-24243
Robot serviced space facility
[NASA-CASE-GSC-13408-1] c 18 N92-24244
Obstacle avoidance for redundant robots using
configuration control
[NASA-CASE-NPO-17852-1-CU] c 63 N92-33019
Hazardous materials emergency response mobile
robot
[NASA-CASE-NPO-18690-1-CU] c 37 N92-34205
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[NASA-CASE-NPO-18584-1-CU] c 37 N93-11177
A method for surmounting an obstacle by a robot
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[NASA-CASE-NPO-18764-1-CU] c 37 N93-12722
Double-V block fingers with cruciform recess
[NASA-CASE-GSC-13356-2] c 37 N93-17625
Robot friendly probe and socket assembly
[NASA-CASE-MSC-22028-1] c 37 N93-22007
Force reflecting hand controller
[NASA-CASE-NPO-17851-1-CU] c 37 N93-23078
Split rail gripper assembly and tool driver therefor
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[NASA-CASE-NPO-18116-1-CU] c 37 N94-10670
Climbing robot — caterpillar design
[NASA-CASE-GSC-13442-1] c 37 N94-20494

ROCKET ENGINE CASES

Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659
Payload/burned-out motor case separation system
Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
Ion engine casing construction and method of making
same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
Solid propellant rocket motor and method of making
same
[NASA-CASE-XLA-01349] c 20 N77-17143

ROCKET ENGINE CONTROL

Fluid thrust control system — for liquid propellant rocket
engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124

ROCKET ENGINE DESIGN

Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381

Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
Ion thruster with a combination keeper electrode and
electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
System for imposing directional stability on a
rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275
Dual-fuel, dual-mode rocket engine
[NASA-CASE-LAR-13773-1] c 20 N90-19298

ROCKET ENGINES

Channel-type shell construction for rocket engines and
the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
Passively regulated water electrolysis rocket engine
Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
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[NASA-CASE-NPO-10122] c 12 N71-17631
Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771
Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296
Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
Diffuser/ejector system for a very high vacuum
environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256
Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFS-25989-1] c 20 N87-14420
Emergency egress fixed rocket package
[NASA-CASE-MSC-21332-1] c 03 N91-15142
Extended temperature range rocket injector
[NASA-CASE-LEW-14846-1] c 20 N92-10054
Accelerometer method and apparatus for integral display
and control functions
[NASA-CASE-MSC-21961-1] c 35 N92-29952
Hybrid bearings for turbopumps and the like
[NASA-CASE-MFS-28491-1] c 37 N93-28326
Liquid fuel injection elements for rocket engines
[NASA-CASE-MFS-28547-1] c 20 N94-20370

ROCKET EXHAUST

Thruster vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
Method and apparatus for suppressing ignition
overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
Hybrid plume plasma rocket
[NASA-CASE-MSC-20476-2] c 20 N89-25279

ROCKET FIRING

Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663

ROCKET FLIGHT

Technique for control of free-flight rocket vehicles
Patent
[NASA-CASE-XLA-00937] c 31 N71-17691

ROCKET LAUNCHING

Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663
Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043

ROCKET LININGS

Heat exchanger and method of making — rocket
lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573

ROCKET NOZZLES

Gimbaled, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806
Self-sealing, unbonded, rocket motor nozzle closure
Patent
[NASA-CASE-XLA-02651] c 28 N70-41967
Automatically deploying nozzle exit cone extension
Patent
[NASA-CASE-XLE-01640] c 31 N71-15637
Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643
Collapsible nozzle extension for rocket engines
Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
Apparatus and method for protecting a photographic
device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
Multislot film cooled pyrolytic graphite rocket nozzle
Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474
Nozzle fabrication technique
[NASA-CASE-MSC-21299-1] c 20 N88-24684
Hybrid plume plasma rocket
[NASA-CASE-MSC-20476-2] c 20 N89-25279
Nozzle fabrication technique
[NASA-CASE-MSC-21299-2] c 37 N91-32508
Thruster sealing system and apparatus
[NASA-CASE-MSC-21898-1] c 37 N93-14702
Rocket engine nozzle attenuator
[NASA-CASE-MFS-28739-1] c 20 N93-28324

ROCKET OXIDIZERS

Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209

ROCKET PROPELLANTS

Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809

ROCKET TEST FACILITIES

High-vacuum condenser tank for ion rocket tests
Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094

ROCKET THRUST

Apparatus and method for control of a solid fueled rocket
vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382

ROCKET VEHICLES

Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202
Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663
Technique for control of free-flight rocket vehicles
Patent
[NASA-CASE-XLA-00937] c 31 N71-17691
Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

ROCKET-BORNE INSTRUMENTS

Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432

ROCKETS

Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173

ROCKS

Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
Rock sampling — apparatus for controlling particle size
[NASA-CASE-XNP-10007-1] c 46 N74-23068
Rock sampling — method for controlling particle size distribution
[NASA-CASE-XNP-09755] c 46 N74-23069
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706

RODS

Nuclear thermionic converter — tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891
Quasi-containerless glass formation method and apparatus
[NASA-CASE-MFS-28090-1] c 27 N87-21111
Lightning discharge protection rod
[NASA-CASE-LAR-13470-1] c 03 N88-14083
Preloaded latching device
[NASA-CASE-MSC-21730-1] c 37 N93-13417
Attachment device
[NASA-CASE-MSC-21885-1] c 37 N94-15925

ROLL

Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379

ROLLER BEARINGS

Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
Low mass rolling element for bearings
[NASA-CASE-LEW-11087-1] c 15 N73-30458
Method of making rolling element bearings
[NASA-CASE-LEW-11087-2] c 37 N74-15128
Bearing material — composite material with low friction surface for rolling or sliding contact
[NASA-CASE-LEW-11930-1] c 24 N76-22309
Rolling friction robot fingers
[NASA-CASE-GSC-13261-1] c 37 N92-29138
Hybrid bearings for turbopumps and the like
[NASA-CASE-MFS-28491-1] c 37 N93-28326

ROLLERS

Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499
Suspension system for a wheel rolling on a flat track — bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
Fully articulated four-point-bend loading fixture
[NASA-CASE-LEW-14776-1] c 37 N91-21540
Magnetostrictive roller drive motor
[NASA-CASE-GSC-13369-1] c 33 N92-15331
Roller locking brake
[NASA-CASE-GSC-13376-1] c 37 N92-21728
Linear mass actuator
[NASA-CASE-LAR-14352-1] c 37 N92-34173
Electromagnetic brake/clutch device
[NASA-CASE-GSC-13502-1] c 37 N94-23969

ROLLING

Device for applying constant pressure to a surface
[NASA-CASE-GSC-13230-1] c 37 N92-28754
Noncircular rolling joints for vibrational reduction in slewing maneuvers
[NASA-CASE-LAR-14515-1-CU] c 37 N92-33031

ROLLING CONTACT LOADS

Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189

ROLLING MOMENTS

Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856

ROOM TEMPERATURE

Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
Anode for rechargeable ambient temperature lithium cells
[NASA-CASE-NPO-18580-1-CU] c 33 N93-17278

ROTARY GYROSCOPES

Closed loop fiber optic rotation sensor
[NASA-CASE-NPO-16558-1-CU] c 74 N87-23259

ROTARY STABILITY

Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583

Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458
Family of airfoil shapes for rotating blades — for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
Dual motion valve with single motion input
[NASA-CASE-MFS-28058-1] c 37 N87-21332

ROTARY WING AIRCRAFT

Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
Swashplate control system
[NASA-CASE-ARC-11633-1] c 08 N87-23631
High lift, low pitching moment airfoils
[NASA-CASE-LAR-13215-1] c 02 N89-14224

ROTARY WINGS

Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
Acoustically swept rotor — helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
Family of airfoil shapes for rotating blades — for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136
Shapes for rotating airfoils
[NASA-CASE-LAR-12396-1] c 02 N84-28732
Helicopter anti-torque system using strakes
[NASA-CASE-LAR-13233-1] c 05 N84-33400

ROTATING BODIES

Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
Phase-locked servo system — for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
Angular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N84-28082
Airborne tracking sunphotometer apparatus and system
[NASA-CASE-ARC-11622-1] c 44 N88-14492
Orbital debris sweeper and method
[NASA-CASE-MSC-21534-1] c 18 N91-21222
Quick-connect fasteners for assembling devices in space
[NASA-CASE-MSC-21648-1] c 37 N92-24051
Accelerometer method and apparatus for integral display and control functions
[NASA-CASE-MSC-21961-1] c 35 N92-29952

ROTATING CYLINDERS

Tread drum for animals — having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733
Head for high speed spinner having a vacuum chuck — holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N87-17037

ROTATING DISKS

Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101

Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N86-32697
Electrostatically suspended rotor for angular encoder
[NASA-CASE-MFS-28294-1] c 31 N91-14508

ROTATING ELECTRICAL MACHINES

Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479
Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364

ROTATING ENVIRONMENTS

Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
Rotating space station simulator Patent
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System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MS-C-12259-1] c 07 N70-12616
High efficiency multivibrator Patent
[NASA-CASE-XAC-00942] c 10 N71-16042
Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043

Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292

Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445

Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251

Vapor deposition apparatus — semiconductors and gallium arsenides
[NASA-CASE-HQN-10462] c 25 N75-29192

Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468

Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910

Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286

Photoelectrochemical cells including chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N84-23019

Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112

Method for determining the point of zero zeta potential of semiconductor
[NASA-CASE-LAR-12893-1] c 76 N85-30923

Method of making macrocrystalline or single crystal semiconductor material
[NASA-CASE-NPO-15904-1] c 76 N86-28760

Method for growing low defect, high purity crystalline layers utilizing lateral overgrowth of a patterned mask
[NASA-CASE-NPO-15813-2] c 76 N87-15882

Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N87-23286

Apparatus and procedure to detect a liquid-solid interface during crystal growth in a bridgman furnace
[NASA-CASE-LAR-13597-1-CU] c 25 N87-23713

Floating emitter solar cell
[NASA-CASE-NPO-16467-1-CU] c 33 N87-23879

Liquid encapsulated float zone process and apparatus
[NASA-CASE-MFS-28144-1] c 76 N88-24545

Preparation of dilute magnetic semiconductor films by metalorganic chemical vapor deposition
[NASA-CASE-NPO-17399-1-CU] c 76 N89-14120

Sub-Kelvin resistance thermometer
[NASA-CASE-GSC-13406-1] c 35 N92-33614

INAS hole-immobilized doping superlattice long-wave-infrared detector
[NASA-CASE-NPO-17880-1-CU] c 76 N93-11056

Quantum well, beam deflecting surface emitting lasers
[NASA-CASE-NPO-18243-1-CU] c 36 N93-13418

Epitaxial heterojunctions of oxide semiconductors and metals on high temperature superconductors
[NASA-CASE-NPO-18483-1-CU] c 76 N93-15151

Method for producing a hybridization of detector array and integrated circuit for readout
[NASA-CASE-NPO-18062-1-CU] c 33 N94-10656

SENSITIVITY

Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256

Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16607-1-CU] c 76 N88-14836

Discrete optical fiber strain sensor
[NASA-CASE-LAR-14810-1-SB] c 35 N93-19492

SENSITOMETRY

Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720

SENSORS

Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260

Medical subject monitoring systems — multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757

Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212

Method of forming a multiple layer dielectric and a hot film sensor therewith
[NASA-CASE-LAR-13678-3] c 35 N93-14714

System for memorizing maximum values
[NASA-CASE-MSC-21922-1] c 35 N93-14841

Optical fiber strain sensor with improved linearity
[NASA-CASE-LAR-14857-1-SB] c 74 N93-19374

Multiple layer dielectrics, hot film sensors, and methods of producing same
[NASA-CASE-LAR-14591-1] c 35 N93-19493

Method and apparatus for determination of material residual stress
[NASA-CASE-GSC-13451-1] c 39 N93-20118

Optical fibers and Fluorosensors having improved power efficiency and methods of producing same
[NASA-CASE-LAR-14525-1-CU] c 74 N94-20378

SENSORY PERCEPTION

Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013

SEPARATED FLOW

Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294

Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016

Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742

Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364

Method and apparatus for detecting laminar flow separation and reattachment
[NASA-CASE-LAR-13952-1-SB] c 34 N90-19534

Method of forming a multiple layer dielectric and a hot film sensor therewith
[NASA-CASE-LAR-13678-1] c 76 N90-24168

Method and apparatus for detecting laminar flow separation and reattachment
[NASA-CASE-LAR-13952-2-SB] c 34 N91-31596

Stall departure resistance enhancer
[NASA-CASE-LAR-14221-1] c 06 N93-19023

SEPARATION

Acoustophoresis method and apparatus
[NASA-CASE-LAR-13388-1] c 25 N92-33611

Acoustophoresis separation method
[NASA-CASE-LAR-13388-2] c 25 N93-20570

SEPARATORS

Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465

Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202

Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062

Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968

Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079

Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427

Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023

Air removal device
[NASA-CASE-XLA-08914] c 15 N73-12492

Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608

Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282

Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456

Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606

Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390

Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104

Counter pumping debris excluder and separator — gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090

Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530

Formulated plastic separators for soluble electrode cells — rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313

Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345

In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481

Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000

Polyvinyl alcohol battery separator containing inert filler — alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615

Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268

Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641

Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642

Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643

Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644

Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645

Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370

Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708

Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126

Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187

Advanced inorganic separators for alkaline batteries and method of making the same
[NASA-CASE-LEW-13171-2] c 44 N83-32176

Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 33 N85-29144

Vortex motion phase separator for zero gravity liquid transfer
[NASA-CASE-KSC-11387-1] c 29 N90-20236

Zero-G phase detector and separator
[NASA-CASE-LEW-14844-1] c 35 N90-22024

Spiral fluid separator
[NASA-CASE-MFS-28658-1] c 34 N94-20361

SEQUENCING

Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432

Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418

Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165

MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210

Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175

Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482

Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634

Generation of animation sequences of three dimensional models
[NASA-CASE-MSC-21379-1-SB] c 61 N90-27340

SEQUENTIAL ANALYSIS

Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209

Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144

SEQUENTIAL COMPUTERS

Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751

SEQUENTIAL CONTROL

Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503

Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505

Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377

Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884

Long period pseudo random number sequence generator
[NASA-CASE-NPO-17241-1-CU] c 33 N90-23636

High level language-based robotic control system
[NASA-CASE-NPO-17918-2-CU] c 63 N92-17895

SERUMS

Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270

Human serum albumin crystals and method of preparation
[NASA-CASE-MFS-28234-1] c 52 N90-20616

Amino acid sequences for the binding regions in serum albumin proteins
[NASA-CASE-MFS-28402-1] c 51 N93-28952

SERVICE LIFE

Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248

Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574

Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N84-22560

Predictive aging of polymers
[NASA-CASE-NPO-17524-1-CU] c 27 N90-10261

SERVOAMPLIFIERS

Pneumatic amplifier Patent
[NASA-CASE-MSC-12121-1] c 15 N71-27147

SERVOCONTROL

Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460

Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954

Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479

- Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
- Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754
- Digital servo controller — for rotating antenna shaft
[NASA-CASE-KSC-10769-1] c 33 N74-29556
- Digital servo control of random sound test excitation
— in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148
- Phase-locked servo system — for synchronizing the
rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
- Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- Autonomous navigation system — gyroscopic pendulum
for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- System and method for moving a probe to follow
movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- Control system for an induction motor with energy
recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424
- Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N86-19604
- SERVO MECHANISMS**
- Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
- Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952
- A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
- Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456
- Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
- Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479
- Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426
- Apparatus for providing a servo drive signal in a
high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
- Automated syringe sampler — remote sampling of air
and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407
- Electrical servo actuator bracket — fuel control valves
on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
- Hydraulic actuator mechanism to control aircraft spoiler
movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205
- Servomechanism for Doppler shift compensation in
optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- Closed-loop motor control using high-speed fiber
optics
[NASA-CASE-MSC-21806-1] c 74 N92-17863
- Controlling under-actuated robot arms using a high
speed dynamics process
[NASA-CASE-NPO-18498-1-CU] c 37 N92-24043
- Sample positioning in microgravity
[NASA-CASE-NPO-18448-1-CU] c 29 N92-30083
- Sample positioning in microgravity
[NASA-CASE-NPO-18448-1-CU] c 29 N93-24600
- SERVOMOTORS**
- Automatic closed circuit television arc guidance control
Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- Transistor servo system including a unique differential
amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
- Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
- Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
- Velocity servo for continuous scan Fourier interference
spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563
- Load positioning system with gravity compensation
[NASA-CASE-ARC-11525-1] c 37 N86-27629
- SEWAGE TREATMENT**
- Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
- Method for treating wastewater using microorganisms
and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654
- SEWING**
- Parachute having improved vent line stacking
[NASA-CASE-MFS-28508-1] c 02 N94-11021
- SHADES**
- Sun shield
[NASA-CASE-MSC-20162-1] c 37 N87-17036
- SHAFTS (MACHINE ELEMENTS)**
- Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
- Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
- Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
- Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
- Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805
- Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
- Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
- High speed hybrid bearing comprising a fluid bearing
and a rolling bearing connected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359
- Spiral groove seal — for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474
- Hole cutter — drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186
- Twin-capacitive shaft angle encoder with analog output
signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- Counter pumping debris excluder and separator — gas
turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
- Shaft seal assembly for high speed and high pressure
applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- Speed control device for a heavy duty shaft — solar
sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
- Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
- Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
- Method for driving two-phase turbines with enhanced
efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282
- Angular measurement system
[NASA-CASE-MFS-25825-1] c 31 N86-29055
- Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N87-17037
- Turbomachinery shaft insert
[NASA-CASE-MFS-28345-2] c 37 N89-28842
- Control circuitry using electronic emulation of a synchro
signal for accurate control of position and rate of rotation
for shafts
[NASA-CASE-MFS-28458-1] c 33 N91-26459
- Bidirectional drive and brake mechanism
[NASA-CASE-MSC-21540-1] c 37 N91-32514
- Magnetostriuctive roller drive motor
[NASA-CASE-GSC-13369-1] c 33 N92-15331
- J-hook latching device
[NASA-CASE-GSC-13200-1] c 37 N92-21500
- Quick-connect fasteners for assembling devices in
space
[NASA-CASE-MSC-21648-1] c 37 N92-24051
- Noncircular rolling joints for vibrational reduction in
slewing maneuvers
[NASA-CASE-LAR-14515-1-CU] c 37 N92-33031
- Method and apparatus for preloading a joint by remotely
operable means
[NASA-CASE-MSC-21940-1] c 37 N93-20120
- Robot friendly probe and socket assembly
[NASA-CASE-MSC-22028-1] c 37 N93-22007
- Suspension device for low-frequency structures
[NASA-CASE-LAR-14272-1-CU] c 14 N93-24598
- Radial spline assembly for antifriction bearings
[NASA-CASE-MFS-28629-1] c 37 N93-26001
- Dynamic tester for rotor seals and bearings
[NASA-CASE-MFS-28493-1] c 09 N94-10669
- Spline screw multiple rotations mechanism
[NASA-CASE-GSC-13452-1] c 37 N94-23078
- Electromagnetic brake/clutch device
[NASA-CASE-GSC-13502-1] c 37 N94-23969
- SHAKERS**
- Planar oscillatory stirring apparatus
[NASA-CASE-MFS-26002-1-CU] c 35 N86-26598
- SHALE OIL**
- In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
- Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012
- Solar heated oil shale pyrolysis process
[NASA-CASE-NPO-16392-1] c 25 N86-25428
- SHALES**
- Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
- Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012
- SHAPE CONTROL**
- Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 37 N86-25789
- Antenna surface contour control system
[NASA-CASE-LAR-13798-1] c 32 N89-25363
- Method and circuit for shaping laser output pulses
[NASA-CASE-LAR-14203-1] c 36 N89-28817
- SHAPE MEMORY ALLOYS**
- Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N86-19604
- Rotary stepping device with memory metal actuator
[NASA-CASE-NPO-15482-1] c 37 N87-23970
- Method and apparatus for preloading a joint by remotely
operable means
[NASA-CASE-MSC-21940-1] c 37 N92-30540
- Device for removing foreign objects from anatomic
organs
[NASA-CASE-GSC-13306-1] c 52 N92-33032
- Fastening apparatus having shape memory alloy
actuator
[NASA-CASE-MSC-21935-1] c 37 N93-13423
- Method and apparatus for preloading a joint by remotely
operable means
[NASA-CASE-MSC-21940-1] c 37 N93-20120
- SHAPED CHARGES**
- Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846
- Lateral displacement system for separated rocket stages
Patent
[NASA-CASE-XLA-04804] c 31 N71-23008
- SHAPERS**
- Mandrel for shaping solid propellant rocket fuel into a
motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
- Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
- Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721
- SHAPES**
- Stripline feed for a microstrip array of patch elements
with teardrop shaped probes
[NASA-CASE-NPO-17548-1-CU] c 32 N90-16104
- Lightweight piston architecture
[NASA-CASE-LAR-13926-1] c 37 N90-22042
- SHARKS**
- Process for conditioning tanned sharkskin and articles
made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545
- SHARPNESS**
- Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- SHEAR CREEP**
- Instrument for measuring torsional creep and recovery
Patent
[NASA-CASE-XLE-01481] c 14 N71-10781
- SHEAR FLOW**
- Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578
- SHEAR PROPERTIES**
- Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
- SHEAR STRENGTH**
- Sandwiched structural panel having a bi-directional core
structure
[NASA-CASE-MFS-28796-1] c 24 N93-19022
- SHEAR STRESS**
- Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
- Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410
- Bonded joint and method — for reducing peak shear
stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064
- Method and apparatus for detecting laminar flow
separation and reattachment
[NASA-CASE-LAR-13952-1-SB] c 34 N90-19534
- Active thermal isolation for temperature responsive
sensors
[NASA-CASE-LAR-14612-1] c 34 N92-29954
- Three-dimensional cell to tissue assembly process
[NASA-CASE-MSC-21559-1] c 51 N92-34231
- Shear sensitive monomer-polymer laminate structure
and method of using same
[NASA-CASE-LAR-14654-1-CU] c 39 N93-29613
- Method of determining shear stress employing a
monomer-polymer laminate structure
[NASA-CASE-LAR-14654-2] c 39 N94-23308
- SHEARING**
- Elastomer coated filler and composites thereof
comprising at least 60% by weight of a hydrated filler and
an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

SHEATHS

High-temperature, bellows hybrid seal
[NASA-CASE-LEW-15570-1] c 37 N93-19027

SHELL ANODES

Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 20 N85-21256

SHELLS (STRUCTURAL FORMS)

Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860

SHIELDING

Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937

Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198

System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865

Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679

Trailer shield assembly for a welding torch
[NASA-CASE-MFS-29260-1] c 37 N90-19602

Electrode carrying wire for GTAW welding
[NASA-CASE-MFS-29491-1] c 31 N90-26168

Hypervelocity impact shield
[NASA-CASE-MSC-21420-1] c 18 N92-15114

Driven shielding capacitive proximity sensor
[NASA-CASE-GSC-13377-1] c 63 N93-14701

SHIFT REGISTERS

Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423

Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503

Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897

Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199

Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167

MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210

Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175

A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254

Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175

Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144

Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598

Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373

Selective data segment monitoring system --- using shift registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760

Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751

SHIP HULLS

Hydrodynamic skin-friction reduction
[NASA-CASE-LAR-14078-1-CU] c 34 N90-27071

SHOCK ABSORBERS

Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159

Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850

Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152

Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679

Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654

Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845

Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354

Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343

Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530

Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092

Low onset rate energy absorber
[NASA-CASE-MSC-12279] c 15 N72-17450

Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443

Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284

Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420

Variable response load limiting device
[NASA-CASE-LAR-12801-1] c 37 N88-23982

Energy dissipator
[NASA-CASE-MSC-21555-1] c 37 N93-23075

Mechanical energy absorber
[NASA-CASE-MSC-22111-1] c 37 N94-15966

SHOCK LOADS

Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612

SHOCK MEASURING INSTRUMENTS

Semiconductor projectile impact detector
[NASA-CASE-MFS-23008-1] c 35 N78-18390

SHOCK RESISTANCE

Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409

Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584

Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957

SHOCK TUBES

Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XAC-00731] c 11 N71-15960

Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245

Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071

SHOCK WAVE INTERACTION

Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563

SHOCK WAVE LUMINESCENCE

Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896

SHOCK WAVE PROFILES

Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896

Adapter for mounting a microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 05 N83-27975

SHOCK WAVES

Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911

Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439

Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437

Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431

Impact tolerant material
[NASA-CASE-LAR-12887-3] c 24 N90-21822

Rocket engine nozzle attenuator
[NASA-CASE-MFS-28739-1] c 20 N93-28324

SHOES

Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380

SHORT CIRCUITS

Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146

Triode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898

Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991

Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193

Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

Thermal switch disc for short circuit protection of batteries
[NASA-CASE-MSC-21428-1] c 33 N91-14537

A device for testing cables
[NASA-CASE-LAR-14093-1] c 33 N94-15988

SHOT PEENING

Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454

SHOULDERS

Shoulder and hip joint for hard space suits
[NASA-CASE-ARC-11543-1] c 54 N86-28620

Shoulder and hip joints for hard space suits and the like
[NASA-CASE-ARC-11534-1] c 54 N86-29507

SHROUDED NOZZLES

Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121

SHROUDED TURBINES

Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318

Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658

Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

Thermal stress minimized, two component, turbine shroud seal
[NASA-CASE-LEW-14212-1] c 37 N88-23978

SHROUDS

Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780

Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366

Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957

SHUTTERS

High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300

Cryogenic shutter
[NASA-CASE-GSC-13189-2] c 37 N92-29151

SHUTTLE DERIVED VEHICLES

Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787

Shuttle orbiter with telescoping main propulsion unit and payload
[NASA-CASE-LAR-13586-1] c 16 N92-10035

Shuttle orbiter with telescoping main propulsion unit and payload
[NASA-CASE-LAR-13586-1] c 16 N93-20115

SIDE INLETS

Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

SIDE BANDS

Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680

Method and means for generation of tunable laser sidebands in the far-infrared region
[NASA-CASE-NPO-16497-1-CU] c 36 N87-25567

SIDELOBE REDUCTION

Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907

Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 04 N86-19304

SIGNAL ANALYSIS

Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852

Method and apparatus for a single channel digital communications system --- synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132

Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705

Correlation type phase detector --- with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243

Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372

Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946

Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323

Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 04 N86-19304

Acoustic emission frequency discrimination
[NASA-CASE-MSC-20467-1] c 35 N88-23966

SIGNAL ANALYZERS

System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885

Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033

Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257

Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240

Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711

Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935

Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

SIGNAL DETECTION

- Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
- Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
- Anti-multipath digital signal detector
[NASA-CASE-NPO-11827-1] c 32 N77-10392
- Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
- Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
- Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
- Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952
- Vibration analyzer
[NASA-CASE-MSC-21408-1] c 37 N91-14607
- Multiple symbol differential detection
[NASA-CASE-NPO-17896-1-CU] c 32 N91-27439
- Real time pre-detection dynamic range compression
[NASA-CASE-NPO-18098-1-CU] c 74 N92-33028
- Integrated filter and detector array for spectral imaging
[NASA-CASE-NPO-18317-1-CU] c 74 N93-13419

SIGNAL DETECTORS

- Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
- Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
- System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
- Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138
- Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
- Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
- Self-calibrating threshold detector
[NASA-CASE-MSC-18370-1] c 35 N81-19427
- Triac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
- Method and apparatus for detecting laminar flow separation and reattachment
[NASA-CASE-LAR-13952-1-SB] c 34 N90-19534

SIGNAL DISTORTION

- Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249

SIGNAL ENCODING

- Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
- Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
- Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- Trellis coded modulation for transmission over fading mobile satellite channel
[NASA-CASE-NPO-16904-2-CU] c 32 N91-14523

SIGNAL GENERATORS

- Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467
- Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
- Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
- Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
- Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545
- Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
- Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
- Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
- Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
- System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150

- Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
- Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
- Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
- Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408
- Digital servo control of random sound test excitation --- in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148
- Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
- System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
- Pseudo-noise test set for communication system evaluation --- test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582
- NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
- Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
- Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
- Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349
- Underwater seismic source --- for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555
- Frequency translating phase conjugation circuit for active retrodirective antenna array --- microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
- Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
- Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
- Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N84-14132
- Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681
- Synchronous sampling phase and amplitude detection method and apparatus
[NASA-CASE-LAR-14725-1] c 38 N94-15870
- Improvements to pulsed phase locked loop strain monitor
[NASA-CASE-LAR-14887-1] c 35 N94-15877

SIGNAL MEASUREMENT

- Amplifier for measuring low-level signals in the presence of high common mode voltage
[NASA-CASE-MFS-25868-1] c 33 N86-20670

SIGNAL MIXING

- Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
- Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308

SIGNAL PROCESSING

- Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
- Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
- Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
- Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
- Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669
- Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
- Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
- Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
- Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806
- Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865

- Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
- Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
- Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-ERC-09830] c 14 N71-26266
- Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138
- Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139
- Phase shift circuit apparatus
[NASA-CASE-ARC-10269-1] c 10 N72-16172
- Contourograph system for monitoring electrocardiograms
[NASA-CASE-MSC-13407-1] c 10 N72-20225
- Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
- Logarithmic function generator utilizing an exponentially varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173
- Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
- Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
- Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
- Measurement system
[NASA-CASE-MFS-20658-1] c 14 N73-30386
- Digital to analog conversion apparatus
[NASA-CASE-MSC-12458-1] c 08 N73-32081
- Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050
- Low level signal limiter
[NASA-CASE-XLE-04791] c 32 N74-22096
- Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- Apparatus and method for processing Korotkov sounds --- for blood pressure measurement
[NASA-CASE-MSC-13999-1] c 52 N74-26626
- Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711
- Continuous Fourier transform method and apparatus --- for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539
- Signal conditioning circuit apparatus --- with constant input impedance
[NASA-CASE-ARC-10348-1] c 33 N75-19518
- Television noise reduction device
[NASA-CASE-MSC-12607-1] c 32 N75-21485
- Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429
- Compact-bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371
- Filtering device --- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366
- System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517
- Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
- Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
- Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
- Hearing aid malfunction detection system
[NASA-CASE-MSC-14916-1] c 33 N78-10375
- Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319
- Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
- Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195
- Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
- Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
- System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396

- Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323
Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 74 N83-32577
Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N84-22559
Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492
Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N86-21348
Method and apparatus for telemetry adaptive bandwidth compression
[NASA-CASE-MSC-20821-1] c 17 N87-25348
Processing circuit with asymmetry corrector and convolutional encoder for digital data
[NASA-CASE-MSC-20187-1] c 33 N87-25531
Frequency domain laser velocimeter signal processor
[NASA-CASE-LAR-13552-1-CU] c 33 N89-14385
Doppler radar with multiphase modulation of transmitted and reflected signal
[NASA-CASE-MSC-18808-1] c 32 N90-20280
Magneto acoustic emission apparatus for testing materials for embrittlement
[NASA-CASE-LAR-13817-1] c 26 N90-21170
Balanced bridge feedback control system
[NASA-CASE-NPO-17430-1-CU] c 33 N90-21951
Zero-G phase detector and separator
[NASA-CASE-LEW-14844-1] c 35 N90-22024
Quantitative surface temperature measurement using two-color thermographic phosphors and video equipment
[NASA-CASE-LAR-13740-1] c 35 N90-22770
Three-dimensional laser velocimeter simultaneity detector
[NASA-CASE-ARC-11876-1] c 36 N90-25340
Multistage estimation of received carrier signal parameters under very high dynamic conditions of the receiver
[NASA-CASE-NPO-17911-1-CU] c 32 N90-27016
Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-1] c 32 N91-13598
Efficient detection and signal parameter estimation with application to high dynamic GPS receiver
[NASA-CASE-NPO-17820-1-CU] c 04 N91-14321
Doppler-corrected differential detection system
[NASA-CASE-NPO-16987-1-CU] c 32 N91-25316
Phase ambiguity resolution for offset QPSK modulation systems
[NASA-CASE-NPO-17853-1-CU] c 32 N91-25318
Radiation sensitive area detection device and method
[NASA-CASE-MFS-28563-1] c 35 N91-25388
Multiple symbol differential detection
[NASA-CASE-NPO-17896-1-CU] c 32 N91-27439
Fiber optic frequency transfer link
[NASA-CASE-NPO-17703-1-CU] c 74 N91-27957
Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-2] c 32 N92-10128
Network of dedicated processors for finding lowest-cost map path
[NASA-CASE-NPO-17716-1-CU] c 62 N92-15620
Digital carrier demodulator employing components working beyond normal limits
[NASA-CASE-NPO-17628-1-CU] c 32 N92-21712
Closed-loop autonomous docking system
[NASA-CASE-MFS-28421-1] c 18 N92-28750
Passive fetal monitoring sensor
[NASA-CASE-LAR-14088-1-CU] c 35 N92-33016
Real time pre-detection dynamic range compression
[NASA-CASE-NPO-18098-1-CU] c 74 N92-33028
Auto and hetero-associative memory using a 2-D optical logic gate
[NASA-CASE-NPO-17997-1-CU] c 60 N92-33057
Modified fast frequency acquisition via adaptive least squares algorithm
[NASA-CASE-NPO-17845-2-CU] c 61 N93-14882
Measurand transient signal suppressor
[NASA-CASE-MSC-22027-1] c 63 N93-17056
Acceleration recorder and playback module
[NASA-CASE-MSC-22008-1] c 35 N93-17077
Control system and method for prosthetic devices
[NASA-CASE-MSC-21941-1] c 54 N93-17087
Phase discriminating capacitive array sensor system
[NASA-CASE-GSC-13460-1] c 33 N93-26104
Method and apparatus for spur-reduced digital sinusoid synthesis
[NASA-CASE-NPO-18789-1-CU] c 61 N94-17326
- SIGNAL RECEPTION**
Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911
Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098
Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
Antenna array phase quadrature tracking system Patent
[NASA-CASE-MSC-12205-1] c 07 N71-27056
Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680
Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
Ferromagnetic solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185
Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
Method and apparatus for receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N84-27952
Single frequency multitransmitter telemetry
[NASA-CASE-LAR-13006-1] c 17 N87-16863
- SIGNAL REFLECTION**
Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
- SIGNAL STABILIZATION**
Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962
Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138
System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- SIGNAL TO NOISE RATIOS**
System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616
Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911
Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791
Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545
Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146
Signal-to-noise ratio determination circuit
[NASA-CASE-GSC-11239-1] c 10 N73-25241
Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
- SIGNAL TRANSMISSION**
Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent
[NASA-CASE-XAC-00086] c 09 N70-33182
Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
- Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791
Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
Television multiplexing system
[NASA-CASE-KSC-10654-1] c 07 N73-30115
Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194
Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12462-1] c 32 N74-20809
Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12494-1] c 32 N74-20810
Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486
Modulator for tone and binary signals — phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981
Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411
Automatic transponder — measurement of the internal delay time of a transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
Precise RF timing signal distribution to remote stations — fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N84-22546
Doppler radar having phase modulation of both transmitted and reflected return signals
[NASA-CASE-MSC-18675-1] c 32 N84-22820
Doppler radar with multiphase modulation of transmitted and reflected signal
[NASA-CASE-MSC-18808-1] c 32 N90-20280
Emergency locating transmitter
[NASA-CASE-GSC-12821-2] c 33 N91-31530
Improvements to pulsed phase locked loop strain monitor
[NASA-CASE-LAR-14887-1] c 35 N94-15877
Wide angle, single screen, gridded square-loop frequency selective surface for duplexing two closely separated frequency bands
[NASA-CASE-NPO-18664-1-CU] c 89 N94-17438
- SIGNALATURE ANALYSIS**
Multispectral imaging and analysis system — using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- SILANES**
Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717
Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807
Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
Thermal reactor — liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
Process for producing tris (s-n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N88-29040
- SILICA GEL**
Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-29360

SILICA GLASS

- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
Multiple layer dielectrics, hot film sensors, and methods of producing same
[NASA-CASE-LAR-14591-1] c 35 N93-19493

SILICATES

- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

SILICIDES

- Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
Method of forming three-dimensional semiconductor structures
[NASA-CASE-NPO-17835-1-CU] c 76 N90-27518
Method of forming silicon structures with selectable optical characteristics
[NASA-CASE-NPO-18625-1-CU] c 76 N92-30102
High temperature creep and oxidation resistant chromium silicide matrix alloy containing molybdenum
[NASA-CASE-LEW-15697-1] c 26 N93-29172
Method of forming silicon structures with selectable optical characteristics
[NASA-CASE-NPO-18625-1-CU] c 76 N94-23972

SILICON

- Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
Gd or Sm doped silicon semiconductor composition. Patent
[NASA-CASE-XLE-10715] c 26 N71-23292
Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
Covered silicon solar cells and method of manufacture --- with polymeric films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231
System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
Oxygen diffusion barrier coating
[NASA-CASE-LAR-13474-1-SB] c 26 N87-25455
Method of forming three-dimensional semiconductor structures
[NASA-CASE-NPO-17835-1-CU] c 76 N90-27518
Ribbon growing method and apparatus
[NASA-CASE-NPO-16306-1-CU] c 76 N91-15898
Thermal treatment of silicon integrated circuit chips to prevent and heal voids in aluminum metallization
[NASA-CASE-NPO-17678-1-CU] c 76 N91-28014
Silicon containing electroconductive polymers and structures made therefrom
[NASA-CASE-NPO-17826-1-CU] c 27 N92-16121
Fabrication of nanometer single crystal metallic CoSi₂ structures on Si
[NASA-CASE-NPO-17736-2-CU] c 24 N92-18561

Pressure transducer and system for cryogenic environments
[NASA-CASE-LAR-14579-1] c 35 N92-29097

- Method of forming silicon structures with selectable optical characteristics
[NASA-CASE-NPO-18625-1-CU] c 76 N92-30102
Selective formation of porous silicon
[NASA-CASE-NPO-18735-1-CU] c 27 N94-15960
Buried porous silicon-germanium layers in monocrystalline silicon lattices and method of producing
[NASA-CASE-NPO-18836-1-CU] c 76 N94-17327
Method of forming silicon structures with selectable optical characteristics
[NASA-CASE-NPO-18625-1-CU] c 76 N94-23972

SILICON ALLOYS

- Annealing group III-V compound doped silicon-germanium alloy for improved thermo-electric conversion efficiency
[NASA-CASE-NPO-17259-1-CU] c 76 N90-19884

SILICON CARBIDES

- A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MS-C-18832-1] c 27 N83-18908
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
Method of preparing fiber reinforced ceramic material
[NASA-CASE-LEW-14392-1] c 27 N87-28656
Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N88-29040
Process for the controlled growth of single-crystal films of silicon carbide polytypes on silicon carbide wafers
[NASA-CASE-LEW-15222-1] c 76 N91-26966
Composite flexible blanket insulation
[NASA-CASE-ARC-11907-1-NP] c 24 N91-31236
Silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-1] c 24 N93-11543
Process for the controlled growth of single-crystal films of silicon carbide polytypes on silicon carbide wafers
[NASA-CASE-LEW-15222-3] c 76 N93-17413
SiC fiber-reinforced Celsian glass-ceramic matrix composite
[NASA-CASE-LEW-15264-1] c 24 N93-31293
Method of producing a ceramic fiber-reinforced glass-ceramic matrix composite
[NASA-CASE-LEW-15264-2] c 24 N93-31299
Improved composite flexible blanket insulation
[NASA-CASE-ARC-11955-1-CU] c 24 N94-15926
Method of producing a silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-2] c 24 N94-15929
Process for the homoepitaxial growth of single-crystal silicon carbide films on silicon carbide wafers
[NASA-CASE-LEW-15223-1] c 76 N94-20381

SILICON COMPOUNDS

- Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
Polymerizable disilanol having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
Infusible silazane polymer and process for producing same --- protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190
Silicon-slurry/aluminide coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
Production of mullite fibers
[NASA-CASE-MFS-28431-1] c 24 N92-17870

SILICON CONTROLLED RECTIFIERS

- Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514

Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345

SILICON DIOXIDE

- Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
Two-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-1] c 27 N76-22377
Transmitting and reflecting diffuser --- using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879
Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MS-C-18741-1] c 27 N82-29456
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-2] c 33 N83-24763
Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 27 N83-36220
Toughened uni-piece fibrous insulation
[NASA-CASE-ARC-11888-1] c 24 N92-16026
Whiskerless Schottky diode
[NASA-CASE-GSC-13063-2-CU] c 33 N92-16197

SILICON FILMS

- A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
Diamond composite films for protective coatings on metals and method of formation
[NASA-CASE-NPO-18501-1-CU] c 27 N93-28426

SILICON JUNCTIONS

- Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513

SILICON NITRIDES

- Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
Sintering silicon nitride
[NASA-CASE-LEW-15489-1] c 27 N94-20529

SILICON OXIDES

- Three-component ceramic coating for silica insulation
[NASA-CASE-MS-C-14270-2] c 27 N76-23426

SILICON POLYMERS

- Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N88-29040
Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-2-SB] c 27 N90-21177
Boron-carbon-silicon polymers and ceramic and a process for the production thereof
[NASA-CASE-ARC-11891-2-SB] c 27 N92-34160

SILICON RADIATION DETECTORS

- Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765

SILICON TRANSISTORS

- Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457

SILICONE RESINS

- Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575

SILICONE RUBBER

SILICONE RUBBER

Glove attachment
[NASA-CASE-MSC-21632-1] c 54 N92-34210

SILICONES

Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536

SILICONIZING

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075

SILOXANES

Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240

Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905

Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148

Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151

Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100

Acetylene (ethynyl) terminated polyimide siloxane and process for preparation thereof
[NASA-CASE-LAR-13318-1] c 27 N87-14516

SILVER

Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121

Method for forming hermetic seals
[NASA-CASE-NPO-16423-1-CU] c 37 N87-21334

Carbide-fluoride-silver self-lubricating composite
[NASA-CASE-LEW-14196-2] c 37 N87-25585

SILVER ALLOYS

Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126

SILVER CHLORIDES

Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925

Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735

SILVER COMPOUNDS

Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718

Method of making carbide/fluoride/silver composites
[NASA-CASE-LEW-14902-1] c 24 N91-27244

SILVER ZINC BATTERIES

Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129

Additive for zinc electrodes — electric automobiles
[NASA-CASE-LEW-13286-1] c 33 N84-14422

SIMD (COMPUTERS)

Highly parallel computer architecture for robotic computation
[NASA-CASE-NPO-17632-1-CU] c 60 N91-32805

Special purpose parallel computer architecture for real-time control and simulation in robotic applications
[NASA-CASE-NPO-17629-1-CU] c 60 N93-29608

SIMULATION

Method and apparatus for simulating gravitational forces on a living organism
[NASA-CASE-MSC-20202-1] c 54 N84-16803

Tissue simulating gel for medical research
[NASA-CASE-LAR-14036-1] c 27 N91-13562

Atmospheric pressure flow reactor: Gas phase chemical kinetics under tropospheric conditions without wall effects
[NASA-CASE-MSC-21384-1] c 34 N92-16243

Synchronous parallel system for emulation and discrete event simulation
[NASA-CASE-NPO-18414-1-CU] c 62 N92-24045

Suspension device for low-frequency structures
[NASA-CASE-LAR-14272-1-CU] c 14 N93-24598

SIMULATORS

Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223

Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606

Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365

Laser Doppler velocity simulator — to induce frequency shift
[NASA-CASE-LAR-12176-1] c 36 N80-16321

Weightlessness simulation system and process
[NASA-CASE-ARC-11646-1] c 14 N87-25344

Atmospheric pressure flow reactor: Gas phase chemical kinetics under tropospheric conditions without wall effects
[NASA-CASE-MSC-21384-1] c 34 N92-16243

Telerobot control system
[NASA-CASE-NPO-18116-1-CU] c 37 N94-10670

SIMULTANEOUS EQUATIONS

Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 33 N85-21493

SINE SERIES

Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248

Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253

SINE WAVES

Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365

Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223

Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387

Method and apparatus for spur-reduced digital sinusoid synthesis
[NASA-CASE-NPO-18789-1-CU] c 61 N94-17326

SINGLE CRYSTALS

Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805

Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199

Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213

Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043

Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910

Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798

Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267

Method of making macrocrystalline or single crystal semiconductor material
[NASA-CASE-NPO-15904-1] c 76 N86-28760

Total immersion crystal growth
[NASA-CASE-NPO-15800-2] c 76 N87-23286

Laser schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N87-25862

Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-29360

Method of forming three-dimensional semiconductor structures
[NASA-CASE-NPO-17835-1-CU] c 76 N90-27518

Method of making single crystal fibers
[NASA-CASE-LEW-14921-1] c 24 N91-13502

Process for the controlled growth of single-crystal films of silicon carbide polytypes on silicon carbide wafers
[NASA-CASE-LEW-15222-1] c 76 N91-26966

Method of intercalating large quantities of fibrous structures
[NASA-CASE-LEW-15077-1] c 24 N92-16025

Fabrication of nanometer single crystal metallic CoSi₂ structures on Si
[NASA-CASE-NPO-17736-2-CU] c 24 N92-18561

Anode for rechargeable ambient temperature lithium cells
[NASA-CASE-NPO-18580-1-CU] c 33 N93-17278

Process for the controlled growth of single-crystal films of silicon carbide polytypes on silicon carbide wafers
[NASA-CASE-LEW-15222-3] c 76 N93-17413

Motion-sensitive optical correlator
[NASA-CASE-NPO-18769-1-CU] c 74 N93-28133

Buried porous silicon-germanium layers in monocrystalline silicon lattices and method of producing
[NASA-CASE-NPO-18836-1-CU] c 76 N94-17327

Process for the homoepitaxial growth of single-crystal silicon carbide films on silicon carbide wafers
[NASA-CASE-LEW-15223-1] c 76 N94-20381

SINGLE EVENT UPSETS

Method and apparatus for increasing resistance of bipolar buried layer integrated circuit devices to single-event upsets
[NASA-CASE-NPO-17573-2-CU] c 33 N92-16196

SINTERING

Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465

Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468

Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456

Method of making a light weight battery plaque
[NASA-CASE-LEW-13349-1] c 26 N84-22734

Method of making single crystal fibers
[NASA-CASE-LEW-14921-1] c 24 N91-13502

Method of making contamination-free ceramic bodies
[NASA-CASE-LEW-14984-1] c 27 N92-16122

Sintering silicon nitride

[NASA-CASE-LEW-15489-1] c 27 N94-20529

SIS (SUPERCONDUCTORS)

Edge geometry superconducting tunnel junctions utilizing an NbN/MgO/NbN thin film structure
[NASA-CASE-NPO-17812-1-CU] c 76 N90-17456

Edge geometry superconducting tunnel junctions utilizing an NbN/MgO/NbN thin film structure
[NASA-CASE-NPO-17812-3-CU] c 76 N92-22041

SITTING POSITION

Passive zero-gravity leg restraint
[NASA-CASE-ARC-11882-1-CU] c 54 N93-14713

Portable seat lift
[NASA-CASE-MFS-28610-1] c 54 N93-17045

SIZE (DIMENSIONS)

Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535

Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N86-28618

SIZE DETERMINATION

Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282

Small conductive particle sensor — microfiber size determination
[NASA-CASE-LAR-12552-1] c 35 N82-11431

Method for non-destructive estimation of waveguide directional coupler dimensions
[NASA-CASE-NPO-18454-1-CU] c 33 N93-18285

SIZE SEPARATION

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148

Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036

Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765

SIZING (SHAPING)

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650

SIZING SCREENS

Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966

Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483

SKEWNESS

Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420

Automatic character skew and spacing checking network — of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353

SKID LANDINGS

Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160

SKIN (ANATOMY)

Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545

Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738

Medical diagnosis system and method with multispectral imaging — depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783

SKIN (STRUCTURAL MEMBER)

Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035

Fire extinguishing apparatus having a slidable mass for a penetrator nozzle — for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

Control and augmentation of passive porosity through transpiration control
[NASA-CASE-LAR-14682-1] c 34 N92-30387

SKIN FRICTION

Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057

Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

Dual-beam skin friction interferometer
[NASA-CASE-LAR-11354-1] c 74 N83-21949

Two-axis, self-nulling skin friction balance
[NASA-CASE-LAR-13294-1] c 35 N86-32696

Skin friction balance
[NASA-CASE-LAR-13710-1] c 35 N90-17117

Hydrodynamic skin-friction reduction
[NASA-CASE-LAR-14078-1-CU] c 34 N90-27071

Polymer/riblet combination for hydrodynamic skin friction reduction
[NASA-CASE-LAR-14271-1-CU] c 27 N91-13558

Active thermal isolation for temperature responsive sensors
[NASA-CASE-LAR-14612-1] c 34 N92-29954

Reflection type skin friction meter
[NASA-CASE-LAR-14520-1-SB] c 02 N93-18275

SKIN TEMPERATURE (BIOLOGY)

Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780

SKIN TEMPERATURE (NON-BIOLOGICAL)

Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085

SKIIRTS

Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708

SKY BRIGHTNESS

Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232

SLEEP

EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729

SLEEVES

Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877

System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395

Prosthesis coupling
[NASA-CASE-XSC-11069-1] c 52 N79-26772

Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

Tapered, tubular polyester fabric
[NASA-CASE-MSC-21082-1] c 27 N87-29672

SLENDER BODIES

A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540

SLEWING

Noncircular rolling joints for vibrational reduction in slewing maneuvers
[NASA-CASE-LAR-14515-1-CU] c 37 N92-33031

SLICING

Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951

System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703

Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469

Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N84-28083

SLIDING

Hybrid butterfly valve
[NASA-CASE-SSC-00004-1] c 37 N91-14609

Terminal slider control of nonlinear robotic systems
[NASA-CASE-NPO-18584-1-CU] c 37 N93-11177

SLIDING CONTACT

Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734

Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049

Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944

SLIDING FRICTION

Bearing material --- composite material with low friction surface for rolling or sliding contact
[NASA-CASE-LEW-11930-1] c 24 N76-22309

SLIP CASTING

Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076

Nonaqueous slip casting of high temperature ceramic superconductors using an investment casting technique
[NASA-CASE-LAR-14918-1] c 31 N94-15881

Improved ceramic slip casting technique --- application to aircraft model fabrication
[NASA-CASE-LAR-14471-1] c 27 N94-20377

SLITS

Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620

Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059

Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686

SLOPES

Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367

Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 02 N84-11136

SLOT ANTENNAS

Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148

Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247

Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235

Turnstile slot antenna

[NASA-CASE-GSC-11428-1] c 32 N74-20864

Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330

Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

SLOTS

Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504

Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110

Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386

Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319

Radial spline assembly for antifriction bearings
[NASA-CASE-MFS-28629-1] c 37 N93-26001

SLUDGE

Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634

SLURRIES

Silicon-slurry/aluminide coating --- protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795

Preparing composite materials from matrices of processable aromatic polyimide thermoplastic blends
[NASA-CASE-LAR-14107-1] c 24 N91-25200

Method for producing oxygen from lunar materials
[NASA-CASE-MSC-21759-1] c 25 N93-29617

Method of producing a silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-2] c 24 N94-15929

Preparing polymeric matrix composites using an aqueous slurry technique
[NASA-CASE-LAR-14771-1] c 27 N94-23076

SLURRY PROPELLANTS

Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382

SMOKE

Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat
[NASA-CASE-XNP-01310] c 33 N71-28852

Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656

Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418

Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178

SOAPS

Guanidine based vehicle/binders for use with oxides, metals, and ceramics
[NASA-CASE-LEW-15314-1] c 27 N94-20195

SODIUM CHLORIDES

Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128

Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644

SODIUM VAPOR

Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231

SOFT LANDING

Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861

Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845

Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

SOFT LANDING SPACECRAFT

Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03858] c 31 N70-34159

SOFTWARE ENGINEERING

Encyclopedia of software components
[NASA-CASE-NPO-18435-1-CU] c 61 N92-30543

SOFTWARE REUSE

Encyclopedia of software components
[NASA-CASE-NPO-18435-1-CU] c 61 N92-30543

SOFTWARE TOOLS

Encyclopedia of software components
[NASA-CASE-NPO-18435-1-CU] c 61 N92-30543

SOIL MECHANICS

Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367

SOIL MOISTURE

Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498

SOIL SCIENCE

Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321

System for plotting subsoil structure and method thereof
[NASA-CASE-NPO-14191-1] c 31 N80-32584

Active synthetic soil
[NASA-CASE-MSC-21954-1-NP] c 51 N93-19054

SOILS

Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483

Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362

Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529

Active synthetic soil
[NASA-CASE-MSC-21954-1-NP] c 51 N93-19054

SOL-GEL PROCESSES

Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

SOLAR ACTIVITY

Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432

SOLAR ARRAYS

Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874

Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053

Solar energy powered heliostropes
[NASA-CASE-GSC-10945-1] c 21 N72-31637

Method of making silicon solar cell array --- and mounting on flexible substrate
[NASA-CASE-LEW-11069-1] c 44 N74-14784

Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601

Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515

Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314

Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179

Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431

Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482

Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475

Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474

Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944

Electronic system for high power load control --- solar arrays
[NASA-CASE-NPO-15358-1] c 33 N83-27126

Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769

Thin solar cell and lightweight array
[NASA-CASE-LEW-14959-1] c 44 N91-27614

Selective emitters
[NASA-CASE-LEW-14731-1] c 44 N92-22037

Microprocessor control of multiple peak power tracking DC/DC converters for use with solar cell arrays
[NASA-CASE-GSC-13450-1] c 44 N92-23463

Self-deploying photovoltaic power system
[NASA-CASE-LEW-15308-1] c 44 N94-20196

SOLAR BLANKETS

Self-deploying photovoltaic power system
[NASA-CASE-LEW-15308-1] c 44 N94-20196

SOLAR CELLS

Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267

Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239

Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855

Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578

Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607

Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049

Solar battery with interconnecting means for plural cells Patent
[NASA-CASE-XNP-06506] c 03 N71-11050

Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056

Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058

- Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545
- Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273
- Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
- Solar cell mounting Patent
[NASA-CASE-NXP-00826] c 03 N71-20895
- Simple method of making photovoltaic junctions Patent
[NASA-CASE-NXP-01960] c 09 N71-23027
- Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292
- Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
- Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
- Semiconductor material and method of making same Patent
[NASA-CASE-XLE-02798] c 26 N71-23654
- Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681
- Solar panel fabrication Patent
[NASA-CASE-NXP-03413] c 03 N71-26726
- Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409
- Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
- Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
- Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031
- Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
- Solid state matrices
[NASA-CASE-NPO-10591] c 03 N72-22041
- Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042
- Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
- Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019
- Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053
- Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
- Method of making silicon solar cell array — and mounting on flexible substrate
[NASA-CASE-LEW-11069-1] c 44 N74-14784
- Covered silicon solar cells and method of manufacture — with polymeric films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
- Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
- Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666
- Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635
- Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
- Solar cell assembly — for use under high intensity illumination
[NASA-CASE-LEW-11549-1] c 44 N77-19571
- High voltage, high current Schottky barrier solar cell
[NASA-CASE-NPO-13482-1] c 44 N78-13526
- Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
- Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528
- Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529
- Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515
- Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
- Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541
- Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528
- Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444
- Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447
- Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
- Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752
- Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
- Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
- Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
- Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
- Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
- Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
- Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
- Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
- Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
- Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579
- Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N85-20530
- Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N86-32875
- High band gap 2-6 and 3-5 tunneling junctions for silicon multijunction solar cells
[NASA-CASE-NPO-16526-1CU] c 44 N87-17399
- Floating emitter solar cell
[NASA-CASE-NPO-16467-1CU] c 33 N87-23879
- Thin solar cell and lightweight array
[NASA-CASE-LEW-14959-1] c 44 N91-27614
- Microprocessor control of multiple peak power tracking DC/DC converters for use with solar cell arrays
[NASA-CASE-GSC-13450-1] c 44 N92-23463
- SOLAR COLLECTORS**
- Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
- Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
- Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273
- Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409
- Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
- Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582
- Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
- Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554
- Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560
- Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460
- Selective coating for solar panels — using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
- Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
- Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526
- Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
- Non-tracking solar energy collector system
[NASA-CASE-NPO-13817-1] c 44 N79-11471
- Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-11472
- Electromagnetic radiation energy arrangement — coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481
- Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
- Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
- Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
- Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810
- Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- Method of forming oxide coatings — for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388
- Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204
- Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706
- Wide acceptance angle, high concentration ratio, optical collector
[NASA-CASE-MFS-28295-1] c 74 N91-13999
- SOLAR ELECTRIC PROPULSION**
- Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
- SOLAR ENERGY**
- Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
- Solar energy power system — using Freon
[NASA-CASE-MFS-21628-1] c 44 N75-32581
- Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
- Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
- Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
- Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560
- Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529
- Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
- Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
- Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
- Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753
- Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- Lunar radiator shade
[NASA-CASE-MSC-21868-1] c 54 N92-21589
- Solar thermal energy receiver
[NASA-CASE-LEW-14949-1] c 44 N92-29143
- SOLAR ENERGY ABSORBERS**
- Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595
- Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657
- Solar energy trap
[NASA-CASE-MFS-22744-1] c 44 N76-24696
- Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601
- Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460

- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
- SOLAR ENERGY CONVERSION**
- Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675
- High voltage, high current Schottky barrier solar cell
[NASA-CASE-NPO-13482-1] c 44 N78-13526
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
- Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470
- Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
- Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
- Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
- Solar energy control system --- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686
- Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640
- Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
- Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
- Solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N84-16542
- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768
- Bidirectional control system for energy flow in solar powered flywheel
[NASA-CASE-MFS-25978-1] c 44 N87-21410
- SOLAR FLUX DENSITY**
- Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- SOLAR FURNACES**
- High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
- SOLAR GENERATORS**
- GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064
- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- SOLAR GRAVITATION**
- Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
- SOLAR HEATING**
- Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554
- Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560
- Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810
- Multi-channel temperature measurement amplification system --- solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
- Solar energy control system --- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686
- SOLAR OBSERVATORIES**
- Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
- SOLAR PONDS (HEAT STORAGE)**
- Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525
- Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N84-34792
- SOLAR POSITION**
- Sun angle calculator
[NASA-CASE-MSC-12617-1] c 35 N76-29552
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- SOLAR POWERED AIRCRAFT**
- Solar powered aircraft
[NASA-CASE-LAR-12615-1] c 05 N84-12154
- SOLAR RADIATION**
- Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040
- Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- Wide angle sun sensor --- consisting of cylinder, insulation and pair of detectors
[NASA-CASE-NPO-13327-1] c 35 N75-23910
- Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382
- Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204
- Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474
- Long gain length solar pumped box laser
[NASA-CASE-LAR-13256-1] c 36 N86-29204
- SOLAR RADIATION SHIELDING**
- High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706
- Sun shield
[NASA-CASE-MSC-20162-1] c 37 N87-17036
- SOLAR RADIO EMISSION**
- Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- SOLAR REFLECTORS**
- Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
- Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
- Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
- Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610
- Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
- Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
- Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
- Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
- Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
- SOLAR SAILS**
- Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163
- Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- SOLAR SENSORS**
- Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
- Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395
- Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
- Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269
- Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951
- Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
- Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
- Airborne tracking sunphotometer apparatus and system
[NASA-CASE-ARC-11622-1] c 44 N88-14492
- SOLAR SIMULATORS**
- High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
- High powered arc electrodes --- producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913
- SOLAR-PUMPED LASERS**
- Long gain length solar pumped box laser
[NASA-CASE-LAR-13256-1] c 36 N86-29204
- SOLDERED JOINTS**
- Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
- SOLDERING**
- Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
- Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
- Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
- Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
- Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
- Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431
- High temperature solder device for flat cables
[NASA-CASE-GSC-13344-1] c 26 N92-29094
- SOLDERS**
- Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
- Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
- Solder dross removal apparatus
[NASA-CASE-MFS-28406-1] c 37 N91-13729
- SOLENOID VALVES**
- Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- Automatic recording McLeod gauge Patent
[NASA-CASE-XLE-03280] c 14 N71-23093
- Solenoid valve including guide for armature and valve member
[NASA-CASE-GSC-10607-1] c 15 N72-20442
- Remote fire stack igniter --- with solenoid-controlled valve
[NASA-CASE-MFS-21675-1] c 25 N74-33378
- Automatically operable self-leveling load table
[NASA-CASE-MFS-22039-1] c 09 N75-12968
- Self-compensating solenoid valve
[NASA-CASE-ARC-11620-1] c 37 N87-25573
- SOLENOIDS**
- Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
- Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
- Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly --- for use with cameras mounted in satellites
[NASA-CASE-GSC-11560-1] c 33 N74-20861
- Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
- Low temperature latching solenoid
[NASA-CASE-MSC-18106-1] c 33 N82-11357
- SOLID CRYOGEN COOLING**
- Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 25 N83-29324
- SOLID ELECTRODES**
- Polymeric electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391
- Additive for zinc electrodes --- electric automobiles
[NASA-CASE-LEW-13286-1] c 33 N84-14422
- SOLID ELECTROLYTES**
- Secondary Li battery incorporating 12-Crown-4 ether
[NASA-CASE-NPO-17922-1-CU] c 33 N92-28753
- Thin composite solid electrolyte film for lithium batteries
[NASA-CASE-NPO-18694-1-CU] c 33 N94-17325
- SOLID LUBRICANTS**
- Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
- Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
- Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
- Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189
- Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916
- Pretreatment of lubricated surfaces with sputtered cadmium oxide
[NASA-CASE-LEW-14474-1] c 27 N91-28423
- SOLID PHASES**
- Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710
- Cooling apparatus and couplings therefor
[NASA-CASE-ARC-11921-1] c 34 N94-20371
- SOLID PROPELLANT IGNITION**
- Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
- Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634

- Molded composite pyrogen igniter for rocket motors — solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
- SOLID PROPELLANT ROCKET ENGINES**
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
Mandrel for shaping solid propellant rocket fuel into a motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381
Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645
Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
Solid propellant rocket motor
[NASA-CASE-XNP-03282] c 28 N72-20758
Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-01349] c 20 N77-17143
Molded composite pyrogen igniter for rocket motors — solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784
- SOLID PROPELLANTS**
Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
- SOLID ROCKET BINDERS**
Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536
- SOLID ROCKET PROPELLANTS**
Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699
Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-01349] c 20 N77-17143
High performance ammonium nitrate propellant
[NASA-CASE-NPO-14260-1] c 28 N79-28342
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536
- SOLID STATE**
Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578

SOLID STATE DEVICES

- Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
Operational integrator Patent
[NASA-CASE-NPO-10230] c 09 N71-12520
Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900
Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331
Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202
Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135
Full wave modulator-demodulator amplifier apparatus — for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HON-10069] c 33 N75-27251
Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
Space-charge-limited solid-state triode
[NASA-CASE-NPO-13064-1] c 33 N79-11314
Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
Self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 35 N84-14491
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768
Hermetically sealable package for hybrid solid-state electronic devices and the like
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- SOLID STATE LASERS**
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- SOLID SURFACES**
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[NASA-CASE-XMF-02221] c 18 N71-27170
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- SOLID WASTES**
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- SOLIDIFICATION**
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- SOLUBILITY**
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[NASA-CASE-NPO-15210-1] c 25 N84-22709
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[NASA-CASE-MFS-25721-1] c 25 N85-21280
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[NASA-CASE-LAR-14188-2] c 23 N91-14419
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- SONAR**
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- SONIC BOOMS**
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[NASA-CASE-LAR-11476-1] c 07 N76-27232
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[NASA-CASE-NPO-18409-1-CU] c 25 N93-19025

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Method of growing composites of the type exhibiting the Soret effect --- improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187

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[NASA-CASE-NPO-17569-1-CU] c 31 N92-15203
Three-stage sorption type cryogenic refrigeration systems and methods employing heat regeneration
[NASA-CASE-NPO-18366-1-CU] c 31 N93-13422
High temperature sorbents for oxygen
[NASA-CASE-NPO-18409-1-CU] c 25 N93-19025

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Acoustic positioning and orientation prediction
[NASA-CASE-NPO-17511-1-CU] c 71 N91-14807
Motion measurement of acoustically levitated object
[NASA-CASE-NPO-18191-1-CU] c 09 N93-24601

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Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135
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[NASA-CASE-NPO-15435-1] c 71 N83-36846
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104

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Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753
Visual aid for the hearing impaired
[NASA-CASE-GSC-13027-1-CU] c 35 N91-27522

SOUND PRESSURE

Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614
Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
Vacuum-isolation vessel and method for measurement of thermal noise in microphones
[NASA-CASE-LAR-14567-1-CU] c 33 N92-33021
Acoustic device and method for measuring gas densities
[NASA-CASE-NPO-18155-1-CU] c 71 N93-13421

SOUND PROPAGATION

System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
Sound attenuation apparatus
[NASA-CASE-LAR-13968-1] c 71 N91-27913
Consecutive plate acoustic suppressor apparatus and methods
[NASA-CASE-LEW-15430-1] c 71 N93-17051

SOUND RANGING

Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

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Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381
Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753
Pulse transducer with artifact signal attenuator --- heart rate sensors
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[NASA-CASE-NPO-15453-1] c 71 N83-32515
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[NASA-CASE-NPO-16142-1-CU] c 35 N86-20752

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Sound attenuation apparatus
[NASA-CASE-LAR-13968-1] c 71 N91-27913

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Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 35 N84-22933
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 71 N84-23233
Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N85-22104
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[NASA-CASE-LAR-12966-1] c 35 N85-30282

Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765
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[NASA-CASE-LAR-13440-1] c 71 N87-21653
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[NASA-CASE-LAR-13901-1-NP] c 52 N90-21519
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[NASA-CASE-LAR-12887-3] c 24 N90-21822
Acoustic positioning and orientation prediction
[NASA-CASE-NPO-17511-1-CU] c 71 N91-14807
Acoustic transducer apparatus with reduced thermal conduction
[NASA-CASE-NPO-17620-1-CU] c 71 N91-14808
Acoustophoresis method and apparatus
[NASA-CASE-LAR-13388-1] c 25 N92-33611
Method and apparatus for evaluating multilayer objects for imperfections
[NASA-CASE-LAR-14581-1-SB] c 38 N93-12204
Jet mixer noise suppressor using acoustic feedback
[NASA-CASE-LEW-15170-1] c 71 N93-28953

SOUNDING ROCKETS

Attitude control system for sounding rockets Patent
[NASA-CASE-XGS-01654] c 31 N71-24750
Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853

SPACE CAPSULES

Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664
Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675

SPACE CHARGE

Space-charge-limited solid-state triode
[NASA-CASE-NPO-13064-1] c 33 N79-11314

SPACE COMMUNICATION

Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775
Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009
Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240

SPACE DEBRIS

Orbital debris sweeper and method
[NASA-CASE-MSC-21534-1] c 18 N91-21222
Load limiting energy absorbing lightweight debris catcher
[NASA-CASE-MSC-21562-1] c 16 N92-16007
Space Station trash removal system
[NASA-CASE-MSC-21723-1] c 18 N94-20367

SPACE ENVIRONMENT SIMULATION

Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578
Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
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[NASA-CASE-MFS-10555] c 11 N71-19494
Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
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[NASA-CASE-KSC-10198] c 11 N71-28629
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[NASA-CASE-HQN-10781] c 23 N71-30292
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749
Variable energy, high flux, ground-state atomic oxygen source
[NASA-CASE-NPO-16640-1-CU] c 72 N87-21661
Apparatus for simulating an exoatmospheric structure
[NASA-CASE-MSC-21975-1] c 14 N94-20339

SPACE ERECTABLE STRUCTURES

Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135

Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296
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[NASA-CASE-XLA-00258] c 31 N70-38676
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[NASA-CASE-XMF-00437] c 07 N70-40202
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[NASA-CASE-XLA-00210] c 30 N70-40309
Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
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[NASA-CASE-XLE-03307] c 33 N71-14035
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[NASA-CASE-MFS-20410] c 15 N71-19214
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[NASA-CASE-NPO-10188] c 03 N71-20273
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[NASA-CASE-XMS-03454] c 09 N71-20658
Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045
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[NASA-CASE-MSC-11817-1] c 15 N71-26611
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[NASA-CASE-XMS-10993] c 15 N71-28936
Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
Lightweight structural columns --- space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258
Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324
Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
Foldable self-erecting joint
[NASA-CASE-MSC-20635-1] c 18 N87-14373
Bi-stem gripping apparatus
[NASA-CASE-MFS-28185-1] c 37 N88-23979
Space station erectable manipulator placement system
[NASA-CASE-MSC-21096-1] c 18 N89-12621
Antenna surface contour control system
[NASA-CASE-LAR-13798-1] c 32 N89-25363
Mechanical and joint system for connecting structural column elements
[NASA-CASE-LAR-14465-1] c 37 N91-14614
Clevis joint for deployable space structures
[NASA-CASE-LAR-13898-1] c 37 N91-15544
Robot-friendly connector --- space truss structures
[NASA-CASE-MSC-21864-1] c 37 N92-23544
Pre-integrated truss space station and method of assembly
[NASA-CASE-MSC-22015-1] c 18 N93-20042
Robot-friendly connector --- space truss structures
[NASA-CASE-MSC-21864-1] c 37 N93-20117

SPACE EXPLORATION
Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238

SPACE FLIGHT
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
Whole body cleaning agent containing N-acetylaurate
[NASA-CASE-MSC-21589-1] c 54 N92-29137

SPACE FLIGHT FEEDING
Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N85-21595

SPACE INDUSTRIALIZATION
Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108

SPACE LABORATORIES
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[NASA-CASE-GSC-13197-1] c 18 N91-27201

SPACE MAINTENANCE
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
[NASA-CASE-LAR-12881-1] c 27 N84-14323
Automatic system for installation and replacement of Space Station components
[NASA-CASE-LEW-14906-1] c 37 N93-12203

SPACE MANUFACTURING
Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189

- Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108
Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323
Low gravity exothermic heating/cooling apparatus
[NASA-CASE-MSC-25707-1] c 35 N85-29214

SPACE MISSIONS

- Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990
Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884

SPACE NAVIGATION

- Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630

SPACE ORIENTATION

- Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297

SPACE PLATFORMS

- Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605
Mobile remote manipulator vehicle system
[NASA-CASE-LAR-13393-1] c 54 N87-29118
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[NASA-CASE-MSC-21117-1] c 18 N88-28958

SPACE PROBES

- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609

SPACE PROCESSING

- Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
High gradient directional solidification furnace
[NASA-CASE-MFS-25963-1] c 35 N86-20750
Infusion extractor
[NASA-CASE-MSC-20761-1] c 37 N87-15465
Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679
Sample levitation and melt in microgravity
[NASA-CASE-NPO-17022-1-CU] c 29 N87-25489
Spiral vane bioreactor
[NASA-CASE-MSC-21361-1] c 51 N91-21701
Nano-G research laboratory for a spacecraft
[NASA-CASE-GSC-13197-1] c 18 N91-27201

SPACE RENDEZVOUS

- Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222
Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 18 N84-22605
Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N86-20669

SPACE SHUTTLE BOOSTERS

- Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784

SPACE SHUTTLE MAIN ENGINE

- Shuttle orbiter with telescoping main propulsion unit and payload
[NASA-CASE-LAR-13586-1] c 16 N92-10035
Shuttle orbiter with telescoping main propulsion unit and payload
[NASA-CASE-LAR-13586-1] c 16 N93-20115

SPACE SHUTTLE ORBITERS

- Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408
CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690
High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
Hot melt recharge system --- repairing damaged or missing tiles on space shuttle orbiter
[NASA-CASE-LAR-12881-1] c 27 N84-14323
Pre-stressed thermal protection systems
[NASA-CASE-MSC-20254-1] c 16 N84-22601
Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784

- Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886

- Shuttle orbiter with telescoping main propulsion unit and payload
[NASA-CASE-LAR-13586-1] c 16 N92-10035

- Load limiting energy absorbing lightweight debris catcher
[NASA-CASE-MSC-21562-1] c 16 N92-16007

- Extra-vehicular activity translation tool
[NASA-CASE-MSC-21955-1] c 37 N93-14842

- Shuttle orbiter with telescoping main propulsion unit and payload
[NASA-CASE-LAR-13586-1] c 16 N93-20115

- Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-1] c 18 N84-22612

- Shuttle-launch triangular space station
[NASA-CASE-MSC-20676-1] c 18 N86-24729

- Payload deployment method and system
[NASA-CASE-MSC-21330-1] c 16 N88-24660

SPACE SHUTTLES

- Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884
Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854

- Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041

- Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229

- Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320

- System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724

- Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519

- Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339

- Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991

- Slide release mechanism --- for space shuttle orbiter/external tank connection device
[NASA-CASE-MSC-20080-1] c 37 N85-30334

- Preloaded brake disc
[NASA-CASE-MSC-21132-1] c 37 N88-29181

- Docking mechanism for spacecraft
[NASA-CASE-MSC-21386-1] c 18 N90-20126

- Emergency egress fixed rocket package
[NASA-CASE-MSC-21332-1] c 03 N91-15142

SPACE SIMULATORS

- Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675

- Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674

- Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026

- Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829

SPACE STATION FREEDOM

- Pre-integrated truss space station and method of assembly
[NASA-CASE-MSC-22015-1] c 18 N93-20042

SPACE STATION STRUCTURES

- Mobile remote manipulator system for a tetrahedral truss
[NASA-CASE-MSC-20985-1] c 18 N88-26398

- Expandable pallet for space station interface attachments
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[NASA-CASE-XMF-00339] c 15 N70-39896
Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367

Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996
Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
Combined optical attitude and altitude indicating
instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
Spacecraft attitude control method and apparatus
[NASA-CASE-HQN-10439] c 21 N72-21624
Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
Deployable pressurized cell structure for a
micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062
Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359
Real-time multiple-look synthetic
aperture radar
processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
Stirling cycle cryogenic cooler
[US-PATENT-4,389,849] c 44 N83-28574
Vibration isolation and pressure compensation
apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026
Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
Fully redundant mechanical release actuator
[NASA-CASE-LAR-13198-1] c 37 N87-23983

SPACECRAFT LANDING

Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
Tetrahedral lander
[NASA-CASE-MSC-22082-1] c 18 N94-20590

SPACECRAFT LAUNCHING

Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
Disconnect unit
[NASA-CASE-NPO-11330] c 33 N73-26958

SPACECRAFT MODELS

Apparatus for measuring electric field strength on the
surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086

SPACECRAFT MODULES

Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
Multi-mission module Patent
[NASA-CASE-XMF-01543] c 31 N71-17730
Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434
Thermal control system for a spacecraft modular
housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
Robot serviced space facility
[NASA-CASE-GSC-13408-1] c 18 N92-24244

SPACECRAFT MOTION

Magnetic suspension and pointing system --- on a carrier
vehicle
[NASA-CASE-LAR-11889-1] c 35 N79-26372

SPACECRAFT POSITION INDICATORS

Device for determining relative angular position between
a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640

SPACECRAFT POWER SUPPLIES

Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320
Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408
Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221
Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
Thermoelectric power system --- for spacecraft
[NASA-CASE-MFS-22002-1] c 44 N76-16612
Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675
Module failure isolation circuit for parallel inverters
--- preventing system failure during power conditioning for
spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254

- Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421
- Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N83-28573
- Rotatable electric cable connecting system
[NASA-CASE-GSC-12899-1] c 33 N86-20669
- Bidirectional control system for energy flow in solar powered flywheel
[NASA-CASE-MFS-25978-1] c 44 N87-21410
- Arcjet power supply and start circuit
[NASA-CASE-LEW-14374-1] c 09 N88-28939
- Liquid hydrogen polygeneration system and process
[NASA-CASE-KSC-11304-2] c 28 N91-14495
- SPACECRAFT PROPULSION**
- Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
- Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
- Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
- Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160
- Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
- General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
- Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- Shuttle orbiter with telescoping main propulsion unit and payload
[NASA-CASE-LAR-13586-1] c 16 N92-10035
- Shuttle orbiter with telescoping main propulsion unit and payload
[NASA-CASE-LAR-13586-1] c 16 N93-20115
- SPACECRAFT RADIATORS**
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- Thermal control system --- removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461
- Radiative cooler --- spacecraft radiators
[NASA-CASE-NPO-15465-1] c 34 N84-22903
- Multi-leg heat pipe evaporator
[NASA-CASE-MSC-20812-1] c 34 N86-27593
- Space vehicle thermal rejection system
[NASA-CASE-LAR-13738-1] c 18 N87-29586
- Gas particle radiator
[NASA-CASE-LEW-14297-1] c 35 N89-12048
- Liquid sheet radiator apparatus
[NASA-CASE-LEW-14295-1] c 31 N91-15424
- Geometrical vapor blocker for parallel condensation tubes requiring cooling
[NASA-CASE-MSC-22090-1] c 34 N94-15962
- SPACECRAFT RECOVERY**
- Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
- Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630
- Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
- Apparatus and method of capturing an orbiting spacecraft
[NASA-CASE-MSC-20979-1] c 37 N87-22985
- SPACECRAFT REENTRY**
- Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
- Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006
- Ceramic-ceramic shell tile thermal protection system and method thereof
[NASA-CASE-ARC-11641-1] c 24 N88-18628
- SPACECRAFT SHIELDING**
- Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
- Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353
- Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
- Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156
- Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
- Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363
- High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 27 N84-27886
- Mechanical fastener
[NASA-CASE-LAR-12738-2] c 37 N85-30335
- Thermally isolated deployable shield for spacecraft
[NASA-CASE-MFS-28524-1] c 18 N91-25167
- Method for retarding oxidation of an organic substrate
[NASA-CASE-LEW-15308-2] c 27 N93-28425
- Ablative shielding for hypervelocity projectiles
[NASA-CASE-MSC-21884-1] c 27 N93-29088
- Thermally activated retainer means utilizing shape memory alloy
[NASA-CASE-MSC-21793-1] c 16 N94-20304
- SPACECRAFT STABILITY**
- Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
- Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
- Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
- Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
- Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
- Method of damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N83-28064
- SPACECRAFT STRUCTURES**
- Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
- Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
- Spacecraft radiator cover Patent
[NASA-CASE-MSC-12049] c 31 N71-16080
- Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
- Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890
- Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
- Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
- Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
- Structural heat pipe --- for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222
- Auger attachment method for insulation --- of spacecraft
[NASA-CASE-MSC-12615-1] c 37 N76-19437
- Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382
- Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
- Curved cap corrugated sheet
[NASA-CASE-LAR-12884-1] c 18 N84-33450
- Elastomer toughened polyimide adhesives --- bonding metal and composite material structures for aircraft and spacecraft
[NASA-CASE-LAR-12775-2] c 27 N85-21349
- Shuttle orbiter with telescoping main propulsion unit and payload
[NASA-CASE-LAR-13586-1] c 16 N92-10035
- Load limiting energy absorbing lightweight debris catcher
[NASA-CASE-MSC-21562-1] c 16 N92-16007
- Shuttle orbiter with telescoping main propulsion unit and payload
[NASA-CASE-LAR-13586-1] c 16 N93-20115
- Apparatus for simulating an exoatmospheric structure
[NASA-CASE-MSC-21975-1] c 14 N94-20339
- SPACECRAFT TELEVISION**
- Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
- Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
- Optical conversion method --- for spacecraft television
[NASA-CASE-MSC-12618-1] c 74 N78-17865
- SPACECRAFT TEMPERATURE**
- Space vehicle thermal rejection system
[NASA-CASE-LAR-13738-1] c 18 N87-29586
- Capillary heat transport and fluid management device
[NASA-CASE-MFS-28217-1] c 34 N89-14392
- SPACECRAFT TRACKING**
- Ranging system Patent
[NASA-CASE-NPO-10066] c 09 N71-18598
- Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
- Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015
- Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214
- Efficient detection and signal parameter estimation with application to high dynamic GPS receiver
[NASA-CASE-NPO-17820-1-CU] c 04 N91-14321
- SPACECREWS**
- Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851
- Integrated launch and emergency vehicle system
[NASA-CASE-LAR-13780-1] c 18 N92-33013
- SPACELAB PAYLOADS**
- Hemispherical latching apparatus
[NASA-CASE-MFS-25837-1] c 18 N85-29991
- SPALLATION**
- Method of producing I-123 --- by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383
- SPARK CHAMBERS**
- Laser measuring system for incremental assemblies --- measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396
- Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471
- SPARK GAPS**
- Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
- Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
- SPARK IGNITION**
- High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925
- Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405
- SPARK PLUGS**
- High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925
- SPARKS**
- Electronic precipitator control
[NASA-CASE-LAR-13273-2] c 33 N90-20320
- SPATIAL DISTRIBUTION**
- Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
- SPATIAL FILTERING**
- Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12164-1] c 36 N77-32478
- Real-time optical multiple object recognition and tracking system and method
[NASA-CASE-NPO-17139-1-CU] c 74 N88-25301
- SPATIAL RESOLUTION**
- Wide-angle flat field telescope
[NASA-CASE-GSC-12825-1] c 74 N86-28732
- SPECIMENS**
- Low temperature storage container for transporting perishables to space station
[NASA-CASE-MFS-28248-1] c 31 N88-24817
- Method of radiographic inspection of wooden members
[NASA-CASE-LAR-13724-1] c 38 N90-23756
- SPECTRAL BANDS**
- Multispectral linear array multiband selection device
[NASA-CASE-GSC-12911-1] c 74 N86-29650
- Programmable hyperspectral image mapper with on-array processing
[NASA-CASE-NPO-17794-1-CU] c 74 N92-30104
- SPECTRAL CORRELATION**
- Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705
- SPECTRAL REFLECTANCE**
- Single reflector interference spectrometer and drive system thereof
[NASA-CASE-NPO-11932-1] c 35 N74-23040
- SPECTRAL SENSITIVITY**
- Method and apparatus for enhancing laser absorption sensitivity
[NASA-CASE-NPO-16567-1-CU] c 36 N87-28006
- SPECTRAL SIGNATURES**
- Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- SPECTROMETERS**
- Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
- Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266

- Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041
- Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-XNP-05231] c 14 N73-28491
- Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
- Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091
- Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
- Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613
- Resonant waveguide stark cell — using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- Ion and electron detector for use in an ICR spectrometer
[NASA-CASE-NPO-13479-1] c 35 N77-10492
- Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364
- Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563
- Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
- Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N84-34705
- FET charge sensor and voltage probe
[NASA-CASE-NPO-16045-1] c 76 N87-13313
- Method of fabricating an imaging X-ray spectrometer
[NASA-CASE-GSC-12956-1] c 35 N87-14671
- SPECTROPHOTOMETERS**
- Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
- High resolution Fourier interferometer-spectrophotopolarimeter
[NASA-CASE-NPO-13604-1] c 35 N76-31490
- Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867
- SPECTRORADIOMETERS**
- Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
- SPECTROSCOPIC ANALYSIS**
- Spectroscopic equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- Method and apparatus for determining optical absorption and emission characteristics of a crystal or non-crystalline fiber
[NASA-CASE-LAR-13963-1] c 76 N90-24150
- Spectroscopic wear detector
[NASA-CASE-LEW-15200-1] c 20 N93-18856
- SPECTROSCOPIC TELESCOPES**
- Variable magnification variable dispersion glancing incidence imaging x ray spectroscopic telescope
[NASA-CASE-MFS-28013-3] c 89 N90-27594
- SPECTROSCOPY**
- Non-mechanical optical path switching and its application to dual beam spectroscopy including gas filter correlation radiometry
[NASA-CASE-LAR-14588-1-CU] c 74 N92-29117
- SPECTRUM ANALYSIS**
- Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
- Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
- Method and apparatus for high resolution spectral analysis
[NASA-CASE-NPO-10748] c 08 N72-20177
- Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
- Method and apparatus for frequency spectrum analysis
[NASA-CASE-NPO-17759-1-CU] c 32 N92-29124
- Method and circuit for controlling the evolution time interval of a laser output pulse
[NASA-CASE-LAR-13772-1] c 36 N92-31788
- SPECULAR REFLECTION**
- Real time reflectometer — measurement of specular reflectance
[NASA-CASE-MFS-23118-1] c 35 N77-31465
- SPEECH BASEBAND COMPRESSION**
- Method and apparatus for telemetry adaptive bandwidth compression
[NASA-CASE-MSC-20821-1] c 17 N87-25348

SPEECH RECOGNITION

- Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

SPEED CONTROL

- System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805
- Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244
- Two speed drive system — mechanical device for changing speed on rotating vehicle wheel
[NASA-CASE-MFS-20645-1] c 37 N74-23070
- Low speed phaselock speed control system — for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758
- Speed control device for a heavy duty shaft — solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078

SPEED INDICATORS

- Miniature electrooptical air flow sensor
[NASA-CASE-LAR-13065-1] c 35 N85-20295

SPEED REGULATORS

- A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886

SPENT FUELS

- Gamma ray collimator
[NASA-CASE-SSC-00013-1] c 38 N91-32515

SPHERES

- Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
- Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117
- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
- Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 71 N84-16940
- Process for making a noble metal on tin oxide catalyst
[NASA-CASE-LAR-13741-1-SB] c 25 N90-20180
- Fingered bola body, bola with same, and methods of use
[NASA-CASE-MSC-21967-1] c 37 N92-30026
- Fingered bola body, bola with same, and methods of use
[NASA-CASE-MSC-21967-1] c 37 N94-23822

SPHERICAL SHELLS

- Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
- Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436
- Method and apparatus for growing crystals
[NASA-CASE-MFS-28137-1] c 76 N88-24544
- Multi-element spherical shell generation
[NASA-CASE-NPO-17203-1-CU] c 34 N90-23700

SPHERICAL TANKS

- Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007

SPHERICAL WAVES

- Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439

SPHEROIDS

- Three-dimensional cultured glioma cell lines
[NASA-CASE-MSC-21843-1-NP] c 51 N92-24052

SPHYGMOGRAPHY

- Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770

SPIKE NOZZLES

- Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647

SPIKE POTENTIALS

- Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393

SPILLING

- Spillage detector for liquid chromatography systems
[NASA-CASE-MSC-20206-1] c 25 N86-27431

SPIN DYNAMICS

- Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513
- Stabilization of He2(a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- Dual towline spin-recovery device
[NASA-CASE-LAR-13076-1] c 08 N85-35200
- Miniaturization of flight deflection measurement system
[NASA-CASE-LAR-13628-1] c 35 N90-23707

SPIN REDUCTION

- Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485

- Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601

- Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016

- Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582

- Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747

SPIN STABILIZATION

- Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295

- Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943

- Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642

- Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676

- Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692

- Passive dual spin misalignment compensators — gyro-stabilized device
[NASA-CASE-GSC-11479-1] c 35 N74-28097

- Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421

- Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719

- Thrust augmented spin recovery device
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- Scanner — photography from a spin stabilized synchronous satellite
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[NASA-CASE-MS-C-20873-1-SB] c 32 N89-11961

STEERING

- Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645
- Closed-loop autonomous docking system
[NASA-CASE-MFS-28421-1] c 18 N92-28750

STELLAR LUMINOSITY

- Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

STELLAR SPECTRA

- Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

STENCIL PROCESSES

- Method of tracing contour patterns for use in making gradual contour resin matrix composites
[NASA-CASE-ARC-11246-1] c 31 N83-34073

STEPPING MOTORS

- Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465

STEREOPHONICS

- Head related transfer function pseudo-stereophony
[NASA-CASE-ARC-11919-1-NP] c 71 N94-23312

STEREOPHOTOGRAHY

- Stereo photomicrography system
[NASA-CASE-LAR-10176-1] c 14 N72-20380
- Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N86-21348

Stereoscopic camera and viewing systems with undistorted depth presentation and reduced or eliminated erroneous acceleration and deceleration perceptions, or with perceptions produced or enhanced for special effects

[NASA-CASE-NPO-18028-1-CU] c 74 N92-16809

STEREOSCOPIC VISION

Stereoscopic television system and apparatus [NASA-CASE-ARC-10160-1] c 23 N72-27728

Television monitor field shifter and an opto-electronic method for obtaining a stereo image of optimal depth resolution and reduced depth distortion on a single screen

[NASA-CASE-NPO-17249-1-CU] c 32 N89-28676

Near real-time stereo vision system

[NASA-CASE-NPO-18593-1-CU] c 74 N93-18276

STEREOSCOPY

Real-time 3-D X-ray and gamma-ray viewer

[NASA-CASE-GSC-12640-1] c 74 N84-11920

STERILIZATION

Process for preparing sterile solid propellants Patent [NASA-CASE-XNP-01749] c 27 N70-41897

Processing for producing a sterilized instrument Patent

[NASA-CASE-XNP-09763] c 14 N71-20461

Air conditioned suit

[NASA-CASE-LAR-10076-1] c 05 N73-20137

Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves

[NASA-CASE-GSC-10225-1] c 06 N73-27086

Heat sterilizable patient ventilator

[NASA-CASE-NPO-13313-1] c 54 N75-27761

Portable heatable container

[NASA-CASE-NPO-14237-1] c 44 N80-20808

System for sterilizing objects --- cleaning space vehicle systems

[NASA-CASE-KSC-11085-1] c 54 N81-24724

STERILIZATION EFFECTS

Electrical connector

[NASA-CASE-NPO-10694] c 09 N72-20200

STIFFENING

Metal matrix composite structural panel construction

[NASA-CASE-LAR-12807-1] c 24 N84-11214

STIFFNESS

Modified face seal for positive film stiffness

[NASA-CASE-LEW-12989-1] c 37 N82-12442

STILBENE

Vinyl stilbazoles

[NASA-CASE-ARC-11429-3CU] c 27 N87-16908

STIMULATED EMISSION

Repetitively pulsed, wavelength selective laser Patent

[NASA-CASE-ERC-10178] c 16 N71-24832

A quality monitor and monitoring technique employing optically stimulated electron emission

[NASA-CASE-LAR-15063-1] c 38 N93-30414

STIMULATED EMISSION DEVICES

A quality monitor and monitoring technique employing optically stimulated electron emission

[NASA-CASE-LAR-15063-1] c 38 N93-30414

STIRLING CYCLE

Stirling cycle engine and refrigeration systems

[NASA-CASE-NPO-13613-1] c 37 N76-29590

Power control for hot gas engines

[NASA-CASE-NPO-14220-1] c 37 N81-14318

Phase-angle controller for Stirling engines

[NASA-CASE-NPO-14388-1] c 37 N81-17432

Solar energy receiver for a Stirling engine

[NASA-CASE-NPO-14619-1] c 44 N81-17518

Hot gas engine with dual crankshafts

[NASA-CASE-NPO-14221-1] c 37 N81-25370

Stirling cycle cryogenic cooler

[US-PATENT-4,389,649] c 44 N83-28574

Magnetically actuated compressor

[NASA-CASE-GSC-12799-1] c 31 N85-21404

STIRLING ENGINES

Phase-angle controller for Stirling engines

[NASA-CASE-NPO-14388-1] c 37 N81-17432

Solar energy receiver for a Stirling engine

[NASA-CASE-NPO-14619-1] c 44 N81-17518

Solar thermal energy receiver

[NASA-CASE-LEW-14949-1] c 44 N92-29143

STIRRING

Stirring apparatus for plural test tubes Patent

[NASA-CASE-XAC-06956] c 15 N71-21177

Planar oscillatory stirring apparatus

[NASA-CASE-MFS-26002-1-CU] c 35 N86-26598

STOICHIOMETRY

Sulfone-ester polymers containing pendent ethynyl groups

[NASA-CASE-LAR-13316-1] c 27 N86-27450

The 5-(4-Ethynylphenoxy) isophthalic chloride

[NASA-CASE-LAR-13316-2] c 27 N87-14515

MBE growth technology for high quality strained III-V layers

[NASA-CASE-NPO-17723-1-CU] c 76 N90-26685

Method of forming three-dimensional semiconductor structures

[NASA-CASE-NPO-17835-1-CU] c 76 N90-27518

Growth of III-V films by control of MBE growth front stoichiometry

[NASA-CASE-NPO-17724-1-CU] c 76 N92-22035

Polyimide molding powder, coating, adhesive, and matrix resin

[NASA-CASE-LAR-14163-1] c 27 N92-33014

Polyimides with improved compression moldability

[NASA-CASE-LAR-14457-1] c 27 N93-25997

STOPPING

Obstacle avoidance for redundant robots using configuration control

[NASA-CASE-NPO-17852-1-CU] c 63 N92-33019

STORAGE

Fluid sample collector Patent

[NASA-CASE-XMS-06767-1] c 14 N71-20435

Sodium storage and injection system

[NASA-CASE-NPO-14384-1] c 37 N80-10494

STORAGE BATTERIES

Bonded elastomeric seal for electrochemical cells Patent

[NASA-CASE-XGS-02631] c 03 N71-23006

Automatic battery charger Patent

[NASA-CASE-XNP-04758] c 03 N71-24605

Electric battery and method for operating same Patent

[NASA-CASE-XGS-01674] c 03 N71-29129

Electric storage battery

[NASA-CASE-NPO-11021] c 03 N72-20032

Hydrogen-bromine secondary battery

[NASA-CASE-NPO-13237-1] c 44 N76-18641

Rechargeable battery which combats shape change of the zinc anode

[NASA-CASE-HQN-10862-1] c 44 N76-29699

Electrically rechargeable REDOX flow cell

[NASA-CASE-LEW-12220-1] c 44 N77-14581

Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes

[NASA-CASE-LEW-12358-1] c 44 N79-17313

Toroidal cell and battery --- storage battery for high amp-hour load applications

[NASA-CASE-LEW-12918-1] c 44 N81-24521

Secondary Li battery incorporating 12-Crown-4 ether

[NASA-CASE-NPO-17922-1-CU] c 33 N92-28753

Overcharge and overdischarge protection of ambient temperature secondary lithium cells

[NASA-CASE-NPO-18343-1-CU] c 33 N93-11456

Overcharge and overdischarge protection of ambient temperature secondary lithium cells

[NASA-CASE-NPO-18343-1-CU] c 33 N94-23823

STORAGE STABILITY

Thermally activated foaming compositions Patent

[NASA-CASE-LAR-10373-1] c 18 N71-26155

Gas diffusion liquid storage bag and method of use for storing blood

[NASA-CASE-NPO-13930-1] c 52 N79-14749

Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere

[NASA-CASE-MFS-23250-1] c 35 N82-11432

STORAGE TANKS

Expulsion bladder-equipped storage tank structure Patent

[NASA-CASE-XNP-00612] c 11 N70-38182

Method for leakage testing of tanks Patent

[NASA-CASE-XMF-02392] c 32 N71-24285

Zero gravity shadow shield aligner

[NASA-CASE-KSC-10622-1] c 31 N72-21893

Cryogenic container compound suspension strap

[NASA-CASE-ARC-11157-1] c 37 N80-18393

System for venting gas from a liquid storage tank

[NASA-CASE-MSC-21253-1] c 31 N90-20254

Dual diaphragm tank with telltale drain

[NASA-CASE-MSC-21703-1] c 31 N91-25305

Reusable cryogenic liquid rocket propellant tank

[NASA-CASE-LAR-14172-1] c 20 N93-31295

STOWAGE (ONBOARD EQUIPMENT)

Hemispherical latching apparatus

[NASA-CASE-MFS-25837-1] c 18 N85-29991

Locking hinge

[NASA-CASE-MSC-21056-1] c 18 N88-23827

Expandable pallet for space station interface attachments

[NASA-CASE-MSC-21117-1] c 18 N88-28958

STRAIN DISTRIBUTION

Mechanical strain isolator mount

[NASA-CASE-LAR-13580-1] c 37 N91-21541

STRAIN GAGE ACCELEROMETERS

Accelerometer with FM output Patent

[NASA-CASE-XLA-00492] c 14 N70-34799

Angular accelerometer Patent

[NASA-CASE-XMS-05936] c 14 N70-41682

STRAIN GAGE BALANCES

Self-balancing strain gage transducer Patent

[NASA-CASE-MFS-12827] c 14 N71-17656

Dual strain gage balance system for measuring light loads

[NASA-CASE-LAR-14419-1] c 35 N92-10185

STRAIN GAGES

Semiconductor p-n junction stress and strain sensor [NASA-CASE-XLE-00023] c 09 N69-27422

Wire grid forming apparatus Patent

[NASA-CASE-XLA-04980] c 15 N70-33330

Force measuring instrument Patent

[NASA-CASE-XMF-00456] c 14 N70-34705

Strain gage Patent Application

[NASA-CASE-FRC-10053] c 14 N70-35587

Difference circuit Patent

[NASA-CASE-XNP-08274] c 10 N71-13537

Strain sensor for high temperatures Patent

[NASA-CASE-XNP-09205] c 14 N71-17657

Extensometer Patent

[NASA-CASE-XMF-04680] c 15 N71-19489

Strain gage measuring techniques Patent

[NASA-CASE-XGS-04478] c 14 N71-24233

Method of temperature compensating semiconductor strain gages Patent

[NASA-CASE-XLA-04555-1] c 14 N71-25892

Pulsed excitation voltage circuit for transducers

[NASA-CASE-FRC-10036] c 09 N72-22200

Method of making semiconductor p-n junction stress and strain sensor

[NASA-CASE-XLA-04980-2] c 14 N72-28438

Device for monitoring a change in mass in varying gravimetric environments

[NASA-CASE-MFS-21556-1] c 35 N74-26945

Strain gauge ambiguity sensor for segmented mirror active optical system

[NASA-CASE-MFS-20506-1] c 35 N75-12273

Subminiature insertable force transducer --- including a strain gage to measure forces in muscles

[NASA-CASE-NPO-13423-1] c 33 N75-31329

Self-supporting strain transducer

[NASA-CASE-LAR-11263-1] c 35 N75-33369

Strain gage mounting assembly

[NASA-CASE-NPO-13170-1] c 35 N76-14430

High temperature strain gage calibration fixture

[NASA-CASE-LAR-11500-1] c 35 N76-24523

Miniature biaxial strain transducer

[NASA-CASE-LAR-11648-1] c 35 N77-14407

CW ultrasonic bolt tensioning monitor

[NASA-CASE-LAR-12016-1] c 39 N78-15512

Attaching of strain gages to substrates

[NASA-CASE-FRC-10093-1] c 35 N80-20560

Photomechanical transducer

[NASA-CASE-NPO-14363-1] c 39 N81-25400

Pulsed phase locked loop strain monitor --- voltage controlled oscillators

[NASA-CASE-LAR-12772-1] c 33 N83-16626

Inflatable device for installing strain gage bridges

[NASA-CASE-FRC-11068-1] c 35 N84-12443

Thin film strain transducer

[NASA-CASE-WLP-10055-1] c 35 N84-28015

Strain gage calibration

[NASA-CASE-LAR-12743-1] c 35 N84-28019

Thin film strain transducer --- suitable for in-flight measurement of scientific balloon strain

[NASA-CASE-WLP-10055-2] c 35 N85-21598

Method of attaching strain gauges to various materials

[NASA-CASE-LAR-13797-1] c 35 N88-30108

Wind tunnel balance

[NASA-CASE-ARC-11877-1-SB] c 09 N91-14357

Compensated high temperature strain gage

[NASA-CASE-LAR-14776-1] c 35 N93-12205

Apparatus and method for measuring subject work rate on an exercise device

[NASA-CASE-MSC-21752-1] c 54 N94-20194

STRAIN MEASUREMENT

Thin film strain transducer --- suitable for in-flight measurement of scientific balloon strain

[NASA-CASE-WLP-10055-2] c 35 N85-21598

Radio Frequency (RF) strain monitor

[NASA-CASE-LAR-13705-1] c 39 N88-25011

Optical fiber strain sensor with improved linearity

[NASA-CASE-LAR-14857-1-SB] c 74 N93-19374

- Helicopter low-speed yaw control
[NASA-CASE-LAR-14219-1] c 08 N93-25998
- STRANDS**
Convergent strand array liquid pumping system
[NASA-CASE-NPO-17301-1-CU] c 31 N90-23587
- STRAPDOWN INERTIAL GUIDANCE**
All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399
- STRAPS**
Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393
Load limiting energy absorbing lightweight debris catcher
[NASA-CASE-MSC-21562-1] c 16 N92-16007
- STRATIGRAPHY**
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
- STREAMS**
Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465
- STRESS ANALYSIS**
Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
Method of characterizing residual stress in ferromagnetic materials using a pulse histogram of acoustic emission signals
[NASA-CASE-LAR-14239-1] c 26 N93-14705
Method and apparatus for determination of material residual stress
[NASA-CASE-GSC-13451-1] c 39 N93-20118
- STRESS CONCENTRATION**
Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
- STRESS CORROSION**
Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
- STRESS DISTRIBUTION**
Shear sensitive monomer-polymer laminate structure and method of using same
[NASA-CASE-LAR-14654-1-CU] c 39 N93-29613
- STRESS MEASUREMENT**
Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656
Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
Acoustic radiation stress measurement
[NASA-CASE-LAR-13440-1] c 71 N87-21653
Shear sensitive monomer-polymer laminate structure and method of using same
[NASA-CASE-LAR-14654-1-CU] c 39 N93-29613
Method of determining shear stress employing a monomer-polymer laminate structure
[NASA-CASE-LAR-14654-2] c 39 N94-23308
- STRESS RELAXATION**
Method for alleviating thermal stress damage in laminates — metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170
- STRESS RELIEVING**
All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N90-11824
- STRESS WAVES**
Method for advanced material characterization by laser induced eddy current imaging
[NASA-CASE-GSC-13386-1] c 38 N92-29154
- STRESSES**
Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
Strain arrestor plate for fused silica tile — bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
- Fixture for environmental exposure of structural materials under compression load
[NASA-CASE-LAR-12602-1] c 39 N83-32081
- STRETCHERS**
Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748
Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
- STRETCHING**
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
- STRINGERS**
Preloaded space structural coupling joints
[NASA-CASE-LAR-13489-1] c 18 N87-27713
- STRINGS**
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
- STRIP TRANSMISSION LINES**
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
Microwave switching power divider — antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- STRONTIUM OXIDES**
Silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-1] c 24 N93-11543
Method of producing a silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-2] c 24 N94-15929
- STRUCTURAL ANALYSIS**
Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899
- STRUCTURAL DESIGN**
Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
High pressure regulator valve Patent
[NASA-CASE-XNP-00710] c 15 N71-10778
Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481
Fluid flow meter for measuring the rate of fluid flow in a conduit
[NASA-CASE-MFS-28030-1] c 35 N86-25752
Remotely controlled spray gun
[NASA-CASE-MFS-28110-1] c 37 N87-24689
Improved method and apparatus for waste collection and storage
[NASA-CASE-MSC-21025-1] c 31 N87-25495
Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-2] c 18 N89-25266
Suitport extra-vehicular access facility
[NASA-CASE-ARC-11635-1] c 18 N90-16860
Noncontact temperature pattern measuring device
[NASA-CASE-NPO-17824-1-CU] c 36 N90-17132
Releasable clamping apparatus
[NASA-CASE-MFS-28192-1] c 37 N90-17154
Cable suspended windmill
[NASA-CASE-LAR-13434-1] c 37 N90-23742
Hybrid butterfly valve
[NASA-CASE-SSC-00004-1] c 37 N91-14609
Bio-reactor chamber
[NASA-CASE-MSC-20929-1] c 51 N91-14703
High-pressure promoted combustion chamber
[NASA-CASE-MSC-21470-1] c 09 N91-21157
Synchronous demodulator
[NASA-CASE-GSC-13179-1] c 33 N91-26438
Robotic tool change mechanism
[NASA-CASE-GSC-13239-1] c 37 N91-31656
Mechanized fluid connector and assembly tool system with ball detents
[NASA-CASE-MSC-21434-1] c 37 N92-10197
Composite passive damping struts for large precision structures
[NASA-CASE-NPO-17914-1-CU] c 39 N93-24596
- STRUCTURAL DESIGN CRITERIA**
Compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N86-19606
Geometries for roughness shapes in laminar flow
[NASA-CASE-LAR-13255-1] c 02 N87-16793
- STRUCTURAL ENGINEERING**
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895
- STRUCTURAL FAILURE**
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- STRUCTURAL MEMBERS**
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
Method of laminating structural members
[NASA-CASE-XLA-11028-1] c 24 N74-27035
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
Strain arrestor plate for fused silica tile — bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285
Daze fasteners
[NASA-CASE-LAR-13009-2] c 37 N87-22976
Slip joint connector
[NASA-CASE-MFS-28659-1] c 37 N93-17080
Method of retrofitting a loaded bearing member using a phase point
[NASA-CASE-LAR-14741-1] c 39 N94-10671
- STRUCTURAL STABILITY**
Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685
Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562
Deployable M-braced truss structure
[NASA-CASE-LAR-13081-1] c 37 N86-32737
- STRUCTURAL VIBRATION**
Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794
Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
Method and apparatus for minimizing multiple degree of freedom vibration transmission between two regions of a structure
[NASA-CASE-LAR-14508-1-CU] c 39 N93-13420
- STRUCTURES**
Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681
- STRUTS**
Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679
Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
Multiple pure tone elimination strut assembly — air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800
Variable length strut with longitudinal compliance and locking capability
[NASA-CASE-MFS-25907-1] c 37 N85-34401
Composite passive damping struts for large precision structures
[NASA-CASE-NPO-17914-1-CU] c 39 N93-24596
- STUDS (STRUCTURAL MEMBERS)**
Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392
Insert fusing tool — manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
- STYRENES**
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
Compound oxidized styrylphosphine — flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043

SUBASSEMBLIES

- Multistage spent particle collector and a method for making same
[NASA-CASE-LEW-13914-1] c 37 N85-33489
Backward assembly planning with DFA analysis
[NASA-CASE-NPO-18817-1-CU] c 31 N93-12202

SUBCRITICAL FLOW

- Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800

SUBLIMATION

- Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258

SUBMARINES

- Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

SUBMERGING

- Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572

SUBMILLIMETER WAVES

- Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452
Double photon excitation of high-Rydberg atoms as a long-lived submillimeter detector
[NASA-CASE-NPO-18372-1] c 72 N86-33127
Millimeter-wave monolithic diode-grid frequency multiplier
[NASA-CASE-NPO-17258-1-CU] c 33 N91-14551
Whiskerless Schottky diode
[NASA-CASE-GSC-13063-2-CU] c 33 N92-16197
Optically-switched submillimeter-wave oscillator and radiator
[NASA-CASE-NPO-18547-1-CU] c 33 N94-17324

SUBMINIATURIZATION

- Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530

SUBREFLECTORS

- Dish antenna having switchable beamwidth --- with truncated concave ellipsoid subreflector
[NASA-CASE-GSC-11760-1] c 33 N75-19516

SUBSONIC SPEED

- Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
Airfoil shape for flight at subsonic speeds --- design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976

SUBSONIC WIND TUNNELS

- Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246

SUBSTRATES

- Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494
Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171
Method of forming oxide coatings --- for solar collector heating panels
[NASA-CASE-LEW-13132-1] c 27 N83-29388

Method and apparatus for coating substrates using a laser

- [NASA-CASE-LEW-13526-1] c 36 N84-22944
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N84-27855
Overlay metallic-cermet alloy coating systems
[NASA-CASE-LEW-13639-1] c 26 N84-33555
Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475
Liquid crystal light valve structures
[NASA-CASE-MSC-20036-1] c 76 N85-33826
Thermal barrier coating system
[NASA-CASE-LEW-14057-1] c 24 N85-35233
Oxidation resistant slurry coating for carbon-based materials
[NASA-CASE-LEW-13923-1] c 26 N85-35267
Oxygen diffusion barrier coating
[NASA-CASE-LAR-13474-1-SB] c 26 N87-25455
Process for making a noble metal on tin oxide catalyst
[NASA-CASE-LAR-13741-1-SB] c 25 N90-20180
Alternating gradient photodetector
[NASA-CASE-NPO-17235-1-CU] c 35 N90-21358
MBE growth technology for high quality strained III-V layers
[NASA-CASE-NPO-17723-1-CU] c 76 N90-26685
Etching method for photoresists or polymers
[NASA-CASE-ARC-11873-2] c 25 N91-31258
Whiskerless Schottky diode
[NASA-CASE-GSC-13063-2-CU] c 33 N92-16197
Fabrication of nanometer single crystal metallic CoSi₂ structures on Si
[NASA-CASE-NPO-17736-2-CU] c 24 N92-18561
Pressure transducer and system for cryogenic environments
[NASA-CASE-LAR-14579-1] c 35 N92-29097
Method of forming silicon structures with selectable optical characteristics
[NASA-CASE-NPO-18625-1-CU] c 76 N92-30102
Multi-layer light-weight protective coating and method for application
[NASA-CASE-LAR-14448-1] c 27 N93-11912
Compensated high temperature strain gage
[NASA-CASE-LAR-14776-1] c 35 N93-12205
Method of applying a thermal barrier coating system to a substrate
[NASA-CASE-LEW-15020-2] c 24 N93-14706
Oxidation resistant overlay coatings for low expansion substrates
[NASA-CASE-LEW-15154-1] c 27 N93-19332
A method of making a single layer multi-color luminescent display
[NASA-CASE-LAR-14811-1] c 33 N93-20119
Selective formation of porous silicon
[NASA-CASE-NPO-18735-1-CU] c 27 N94-15960
Method of determining shear stress employing a monomer-polymer laminate structure
[NASA-CASE-LAR-14654-2] c 39 N94-23308
Method of forming silicon structures with selectable optical characteristics
[NASA-CASE-NPO-18625-1-CU] c 76 N94-23972

SUBSTRUCTURES

- Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N87-16918

SUCTION

- Method for maintaining precise suction strip porosities
[NASA-CASE-LAR-13638-1] c 31 N90-19427

SUGARS

- Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227
Apparatus and method for cellulose processing using microwave pretreatment
[NASA-CASE-MSC-21936-1-SB] c 25 N93-22036

SULFATES

- Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469

SULFIDES

- Stabilized lanthanum sulphur compounds --- thermoelectric materials
[NASA-CASE-NPO-16135-1] c 25 N83-24572

SULFONES

- Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252
Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-34041

Ethynyl and substituted ethynyl-terminated polysulfones

- [NASA-CASE-LAR-12931-1] c 27 N84-22747
Process for preparing solvent resistant, thermoplastic aromatic poly(imidesulfone)
[NASA-CASE-LAR-12858-2] c 27 N85-20124
Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-2] c 27 N86-21675
Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N86-27450
Semi-2-interpenetrating networks of high temperature systems
[NASA-CASE-LAR-13450-1] c 27 N87-28657
Ethynyl terminated imidothioethers and resins therefrom
[NASA-CASE-LAR-13910-2-CU] c 27 N91-31307
Helmet of a laminate construction of polycarbonate and polysulfone polymeric material
[NASA-CASE-MSC-21503-1] c 27 N92-10091

SULFONIC ACID

- Intumescent coatings containing 4,4'-dinitrosulfoniide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

SULFUR COMPOUNDS

- Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147

SULFUR DIOXIDES

- Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584

SULFURIC ACID

- Synthesis of 2,4,8,10-tetroxaspiro[5.5]undecane
[NASA-CASE-ARC-11243-2] c 23 N85-33187

SUM RULES

- Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693

SUN

- Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526

SUNGLASSES

- Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096

SUNLIGHT

- Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
Sun shield
[NASA-CASE-MSC-20162-1] c 37 N87-17036
Lunar radiator shade
[NASA-CASE-MSC-21868-1] c 54 N92-21589

SUPERCHARGERS

- Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
Diesel engine catalytic combustor system --- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808

SUPERCONDUCTING DEVICES

- Epitaxial heterojunctions of oxide semiconductors and metals on high temperature superconductors
[NASA-CASE-NPO-18483-1-CU] c 76 N93-15151

SUPERCONDUCTING FILMS

- Method of producing high T(subc) superconducting NBN films
[NASA-CASE-NPO-16681-1-CU] c 76 N88-24543
Method for producing edge geometry superconducting tunnel junctions utilizing an NbN/MgO/NbN thin film structure
[NASA-CASE-NPO-17812-2-CU] c 76 N92-22040
Edge geometry superconducting tunnel junctions utilizing an NbN/MgO/NbN thin film structure
[NASA-CASE-NPO-17812-3-CU] c 76 N92-22041
An improved SNS superconducting junction with weak link barrier and method of producing
[NASA-CASE-NPO-18552-1-CU] c 33 N92-24246

SUPERCONDUCTING MAGNETS

- Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554

Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049

Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390

Stable superconducting magnet — high current levels below critical temperature
[NASA-CASE-XMF-05373-1] c 33 N79-21264

Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
[NASA-CASE-NPO-16257-1] c 31 N85-29082

Superconducting bearings with levitation control configurations
[NASA-CASE-GSC-13346-1] c 37 N92-29099

Superconductive material and magnetic field for damping and levitation support and damping of cryogenic instruments
[NASA-CASE-NPO-18458-1-CU] c 35 N94-15875

SUPERCONDUCTIVITY

Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443

System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146

Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710

Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332

Method of producing high T(subc) superconducting NBN films
[NASA-CASE-NPO-16681-1-CU] c 76 N88-24543

Planar thin film SQUID with integral flux concentrator
[NASA-CASE-MFS-28282-1] c 76 N88-29602

Low cost, formable, high T(sub c) superconducting wire
[NASA-CASE-LEW-14676-1] c 33 N91-31529

Passivation of high temperature superconductors
[NASA-CASE-NPO-17949-1-CU] c 76 N92-10681

Electromagnetic Meissner effect launcher
[NASA-CASE-MFS-28323-1] c 14 N92-15081

Monolithic mm-wave phase shifter using optically activated superconducting switches
[NASA-CASE-LEW-14878-1] c 74 N92-28571

Superconducting bearings with levitation control configurations
[NASA-CASE-GSC-13346-1] c 37 N92-29099

Superconductive material and magnetic field for damping and levitation support and damping of cryogenic instruments
[NASA-CASE-NPO-18458-1-CU] c 35 N94-15875

SUPERCONDUCTORS

Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969

Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752

Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571

Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320

Method of forming low cost, formable High T(subc) superconducting wire
[NASA-CASE-LEW-14676-2] c 76 N90-17454

Low cost, formable, high T(sub c) superconducting wire
[NASA-CASE-LEW-14676-1] c 33 N91-31529

SUPERCOOLING

Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650

SUPERCRITICAL FLUIDS

Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800

SUPERCRITICAL PRESSURES

Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012

SUPERFLUIDITY

Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946

Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575

SUPERHEATING

Thermal energy storage system — operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667

SUPERHIGH FREQUENCIES

Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524

SUPERLATTICES

Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16607-1-CU] c 76 N88-14836

Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16617-2-CU] c 35 N90-17118

INAs hole-immobilized doping superlattice long-wave-infrared detector
[NASA-CASE-NPO-17880-1-CU] c 76 N93-11056

SUPERPLASTICITY

Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

SUPERSATURATION

Crystal growth in a microgravity environment
[NASA-CASE-MFS-28473-1] c 76 N93-14707

SUPERSONIC AIRCRAFT

Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255

Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011

Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041

Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043

Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243

Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563

Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217

Passive venting technique for shallow cavities
[NASA-CASE-LAR-14031-1] c 05 N90-20079

Passive venting technique for shallow cavities
[NASA-CASE-LAR-13875-1] c 05 N91-27156

SUPERSONIC COMBUSTION

Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502

Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

SUPERSONIC DRAG

Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939

SUPERSONIC FLIGHT

Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266

High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088

SUPERSONIC FLOW

Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407

Stagnation pressure probe — for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878

Multi-body aircraft with an all-movable center fuselage actively controlling fuselage pressure drag
[NASA-CASE-LAR-13511-1] c 05 N88-23765

Compression pylon
[NASA-CASE-LAR-13777-1] c 05 N90-20078

Boundary layer relaminarization device
[NASA-CASE-LAR-14470-1] c 02 N93-11876

SUPERSONIC INLETS

Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646

Shock position sensor for supersonic inlets — measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431

Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

SUPERSONIC JET FLOW

Water cooled static pressure probe
[NASA-CASE-LAR-14340-1-CU] c 35 N92-21586

SUPERSONIC NOZZLES

Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711

Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899

Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816

Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

Shock-free supersonic elliptic nozzles and method of forming same
[NASA-CASE-LAR-14054-1] c 20 N94-15947

SUPERSONIC SPEED

Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946

Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429

SUPERSONIC TRANSPORTS

Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958

Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287

Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080

Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174

Supersonic transport — using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32086

SUPERSONIC WIND TUNNELS

Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083

Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235

SUPPLYING

Integrated launch and emergency vehicle system
[NASA-CASE-LAR-13780-1] c 18 N92-33013

SUPPORT INTERFERENCE

Spherical bearing — to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404

SUPPORT SYSTEMS

Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604

Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606

Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481

Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484

Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486

Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254

SUPPORTS

A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540

Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321

Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485

Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701

Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812

Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627

Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740

Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123

Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386

Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454

Optical system support apparatus
[NASA-CASE-XER-07896-2] c 23 N72-22673

Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412

Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267

Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176

Method of making porous conductive supports for electrodes — by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692

Thrust-isolating mounting — characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397

Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423

Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661

Model mount system for testing flutter
[NASA-CASE-LAR-12950-1] c 09 N84-34448

Portable pallet weighing apparatus
[NASA-CASE-GSC-12789-1] c 35 N85-20294

Drop foot corrective device
[NASA-CASE-LAR-12259-2] c 54 N86-22112

Remote pivot decoupler pylon: Wing/store flutter suppressor
[NASA-CASE-LAR-13173-1] c 05 N87-14314

Airfoil flutter model suspension system
[NASA-CASE-LAR-13522-1-SB] c 09 N87-25334

Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-3] c 31 N88-29052

Don/doff support stand for use with rear entry space suits
[NASA-CASE-MSC-21364-1] c 54 N89-13889

Almond test body — for microwave anechoic chambers
[NASA-CASE-LAR-13747-1-CU] c 32 N89-28672

Tensile film clamps and mounting block for the rheovibron and autovibron viscoelastometer
[NASA-CASE-LAR-13696-1] c 37 N90-20409

Turbomachinery rotor support with damping
[NASA-CASE-MFS-28345-1] c 37 N91-14608

Post clamp
[NASA-CASE-LEW-14862-1] c 37 N91-14617

Mechanical strain isolator mount
[NASA-CASE-LAR-13580-1] c 37 N91-21541

Alignment positioning mechanism
[NASA-CASE-MSC-21502-1] c 37 N91-21543

End effector with astronaut foot restraint
[NASA-CASE-MSC-21721-1] c 54 N92-16559

High reliability robot friendly ORU interface
[NASA-CASE-GSC-13360-1] c 37 N92-23377

Shaft mount for data coupler system
[NASA-CASE-LAR-13805-1] c 37 N94-20365

SUPPRESSORS

Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980

Measurand transient signal suppressor
[NASA-CASE-MSC-22027-1] c 63 N93-17056

SURFACE ACOUSTIC WAVE DEVICES

Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919

SURFACE CRACKS

Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

SURFACE DEFECTS

Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822

Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879

SURFACE DIFFUSION

Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772

Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

SURFACE DISTORTION

Method for detecting surface motions and mapping small terrestrial or planetary surface deformations with synthetic aperture radar
[NASA-CASE-NPO-17831-1-CU] c 43 N91-14842

SURFACE EMITTING LASERS

Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N87-23960

Quantum well, beam deflecting surface emitting lasers
[NASA-CASE-NPO-18243-1-CU] c 36 N93-13418

SURFACE FINISHING

Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487

Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662

Surface finishing --- for aircraft wings
[NASA-CASE-MSC-12631-1] c 24 N77-28225

Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437

Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077

Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455

Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521

Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N84-16456

Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267

Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587

Method and apparatus for making an optical element having a dielectric film
[NASA-CASE-ARC-11611-1] c 74 N87-28416

Ion-beam nitriding of steels
[NASA-CASE-LEW-14104-2] c 26 N88-14179

Metallic seal for thermal barrier coating systems
[NASA-CASE-LEW-15020-1] c 27 N91-15412

Microporous structure with layered interstitial surface treatment, and method and apparatus for preparation thereof
[NASA-CASE-MSC-21487-1] c 25 N92-33009

SURFACE GEOMETRY

Cylindrical surface profile and diameter measuring tool and method
[NASA-CASE-MFS-28287-1] c 35 N88-23959

SURFACE IONIZATION

Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678

Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457

SURFACE LAYERS

Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739

Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769

Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039

Pretreatment of lubricated surfaces with sputtered cadmium oxide
[NASA-CASE-LEW-14474-1] c 27 N91-28423

SURFACE PROPERTIES

Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471

Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796

Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652

Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009

Apparatus for microbiological sampling --- including automatic swabbing
[NASA-CASE-LAR-11069-1] c 35 N75-12272

Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367

Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904

Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371

Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395

Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170

Apparatus and method for inspecting a bearing ball
[NASA-CASE-MFS-25833-1] c 35 N86-32698

Ion beam sputter etching
[NASA-CASE-LEW-13899-1] c 31 N87-21160

Liquid thickness gauge
[NASA-CASE-LAR-13826-1] c 35 N88-29150

Polymer-coated surfaces to control surface zeta potential
[NASA-CASE-MFS-26050-1] c 27 N92-25397

SURFACE REACTIONS

Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446

Means for phase locking the outputs of a surface emitting laser diode array
[NASA-CASE-NPO-16542-1-CU] c 36 N87-23960

Quantitative surface temperature measurement using two-color thermographic phosphors and video equipment
[NASA-CASE-LAR-13740-1] c 35 N90-22770

Arc-textured high emittance radiator surfaces
[NASA-CASE-LEW-14679-1] c 27 N91-25296

Etching method for photoresists or polymers
[NASA-CASE-ARC-11873-2] c 25 N91-31258

SURFACE ROUGHNESS

Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161

Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298

Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586

Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391

Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440

Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117

Ion sputter textured graphite electrode plates
[NASA-CASE-LEW-12919-2] c 70 N84-28565

Method and apparatus for non-destructive evaluation of composite materials with cloth surface impressions
[NASA-CASE-LAR-14535-1] c 24 N94-15878

SURFACE ROUGHNESS EFFECTS

Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007

SURFACE TEMPERATURE

Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144

Multiwavelength pyrometer for gray and non-gray surfaces in the presence of interfering radiation
[NASA-CASE-LEW-15250-1] c 35 N93-17060

SURFACE TREATMENT

Polymer-coated surfaces to control surface zeta potential
[NASA-CASE-MFS-26050-1] c 27 N92-25397

Metal etching composition
[NASA-CASE-MFS-29576-1] c 25 N92-25399

Method for preparation of a microporous structure with layered interstitial surface treatment
[NASA-CASE-MSC-21487-2] c 24 N93-29023

SURFACE VEHICLES

Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244

Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238

Short range laser obstacle detector --- for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145

Vehicle locating system utilizing AM broadcasting station carriers
[NASA-CASE-NPO-13217-1] c 32 N75-26194

Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420

Personnel emergency carrier vehicle
[NASA-CASE-KSC-11282-1] c 85 N87-21755

Articulated suspension system
[NASA-CASE-NPO-17354-1-CU] c 37 N90-17153

A method for surmounting an obstacle by a robot vehicle
[NASA-CASE-NPO-18764-1-CU] c 37 N93-17272

SURFACE WAVES

Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980

Solar energy converter using surface plasma waves
[NASA-CASE-LEW-13827-1] c 44 N85-21768

Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282

SURFACES

Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176

Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995

Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129

Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429

SURFACTANTS

Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

SURGERY

Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773

Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684

Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389

Optical joint correlator for real-time image tracking and retinal surgery
[NASA-CASE-MSC-21509-1] c 74 N91-25840

SURGES

Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984

Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531

SURGICAL INSTRUMENTS

Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062

Ophthalmic liquefaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640

Cutting head for ultrasonic lithotripsy
[NASA-CASE-GSC-12944-1] c 52 N86-19885

Device for removing foreign objects from anatomic organs
[NASA-CASE-GSC-13306-1] c 52 N92-33032

SURVIVAL EQUIPMENT

Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285

Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493

Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096

SUSPENDING (HANGING)

Parallel motion suspension device Patent
[NASA-CASE-XNP-01567] c 15 N70-41310

Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028

- Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146
- Airfoil flutter model suspension system
[NASA-CASE-LAR-13522-1-SB] c 09 N87-25334
- Hanging drop crystal growth apparatus and method
[NASA-CASE-MFS-28206-1-SB] c 76 N90-23242
- Cable suspended windmill
[NASA-CASE-LAR-13434-1] c 37 N90-23742
- Suspension mechanism and method
[NASA-CASE-LAR-14142-1] c 37 N90-27116
- Electrostatically suspended rotor for angular encoder
[NASA-CASE-MFS-28294-1] c 31 N91-14508
- Torsional suspension system for testing space structures
[NASA-CASE-LAR-14149-1-SB] c 14 N91-21176
- SUSPENSION SYSTEMS (VEHICLES)**
- Suspension system for a wheel rolling on a flat track — bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
- Articulated suspension system
[NASA-CASE-NPO-17354-1-CU] c 37 N90-17153
- SWEAT**
- Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763
- SWEAT COOLING**
- Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
- Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
- Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
- SWEAP CIRCUITS**
- Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
- SWEAP EFFECT**
- High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
- Acoustically swept rotor — helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
- SWEAP FREQUENCY**
- Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319
- Method and apparatus for frequency spectrum analysis
[NASA-CASE-NPO-17759-1-CU] c 32 N92-29124
- SWELLING**
- Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
- SWEPT FORWARD WINGS**
- High performance forward swept wing aircraft
[NASA-CASE-ARC-11636-1] c 05 N88-28914
- SWEPT WINGS**
- Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
- Natural flow wing
[NASA-CASE-LAR-14281-1] c 02 N92-28729
- Boundary layer relaminarization device
[NASA-CASE-LAR-14470-1] c 02 N93-11876
- Swept wing attachment line contamination fence
[NASA-CASE-LAR-13400-1] c 02 N93-22015
- SWIRLING**
- Slush alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
- Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
- Flow modifying device
[NASA-CASE-LEW-13562-2] c 07 N85-35195
- Vortex motion phase separator for zero gravity liquid transfer
[NASA-CASE-KSC-11387-1] c 29 N90-20236
- SWITCHES**
- Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713
- Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
- RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202
- High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285
- Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
- Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N83-29032
- Triac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
- Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307
- Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
- Laser activated MTOS microwave device
[NASA-CASE-NPO-16112-1] c 33 N86-19516
- Self-actuating heat switches for redundant refrigeration systems
[NASA-CASE-NPO-17085-1-CU] c 31 N89-12785
- Solid state electrical switch employing materials with reversible phase transistors
[NASA-CASE-NPO-17621-1-CU] c 33 N90-17010
- Long period pseudo random number sequence generator
[NASA-CASE-NPO-17241-1-CU] c 33 N90-23636
- Thermal switch disc for short circuit protection of batteries
[NASA-CASE-MSC-21428-1] c 33 N91-14537
- Synchronous demodulator
[NASA-CASE-GSC-13179-1] c 33 N91-26438
- Asymmetric soft-error resistant memory
[NASA-CASE-NPO-17394-1-CU] c 60 N91-31810
- Monolithic mm-wave phase shifter using optically activated superconducting switches
[NASA-CASE-LEW-14878-1] c 74 N92-28571
- Cascaded transformerless DC-DC voltage amplifier with optically isolated switching devices
[NASA-CASE-NPO-17994-1-CU] c 33 N93-18278
- Non-volatile, solid state bistable electrical switch
[NASA-CASE-NPO-17621-1-CU] c 33 N94-23820
- SWITCHING**
- Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
- Long period pseudo random number sequence generator
[NASA-CASE-NPO-17241-1-CU] c 33 N90-23636
- Asymmetric soft-error resistant memory
[NASA-CASE-NPO-17394-1-CU] c 60 N91-31810
- SWITCHING CIRCUITS**
- Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
- Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
- A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
- Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
- High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
- Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
- Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
- SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
- Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694
- A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723
- Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
- Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751
- Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
- Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
- Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015
- Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
- Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
- Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
- Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
- Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
- Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
- Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
- Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000
- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
- Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
- Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
- Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
- Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
- Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860
- Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925
- Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212
- Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157
- Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031
- Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199
- Switching regulator
[NASA-CASE-LEW-11005-1] c 09 N72-21243
- Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162
- Pulse coupling circuit
[NASA-CASE-LEW-10433-1] c 09 N72-22197
- Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
- Pressure operated electrical switch responsive to a pressure decrease after a pressure increase
[NASA-CASE-LAR-10137-1] c 09 N72-22204
- Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
- CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
- Electronic video editor
[NASA-CASE-KSC-10003] c 10 N73-13235
- Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135
- Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143
- High isolation RF signal selection switches
[NASA-CASE-NPO-13081-1] c 33 N74-22814
- Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429
- Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431
- Multi-computer multiple data path hardware exchange system
[NASA-CASE-NPO-13422-1] c 60 N76-14818
- Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385
- Window comparator
[NASA-CASE-FRC-10090-1] c 33 N78-18308
- Module failure isolation circuit for paralleled inverters — preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
- System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415
- Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- Microwave switching power divider — antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340
- Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538
- Active lamp pulse driver circuit — optical pumping of laser media
[NASA-CASE-GSC-12566-1] c 33 N83-34189
- Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N84-16455
- Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N84-33663
- Hybrid power semiconductor
[NASA-CASE-LEW-13922-1] c 33 N86-20672
- Four quadrant control circuit for a brushless three-phase dc motor
[NASA-CASE-MFS-28080-1] c 33 N87-21233
- Optical shutter switching matrix
[NASA-CASE-KSC-11392-1] c 74 N90-22383
- Non-blocking crossbar permutation engine with constant routing latency
[NASA-CASE-NPO-18864-1-CU] c 62 N94-17328
- A scalable wrap-around shuffle exchange network with deflection routing
[NASA-CASE-NPO-18983-1-CU] c 62 N94-17330

SWITCHING THEORY

- Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909

SWIVELS

- Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
Double swivel toggle release
[NASA-CASE-MS-C-21436-1] c 37 N90-21390

SYMBOLS

- Multiple symbol differential detection
[NASA-CASE-NPO-17896-1-CU] c 32 N91-27439

SYMMETRY

- Transversely polarized source cladding for an optical fiber
[NASA-CASE-LAR-14652-1-SB] c 74 N93-22039

SYNCHRONISM

- Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
Digitized synchronous demodulator
[NASA-CASE-GSC-13237-1] c 33 N91-14550
Synchronized computational architecture for generalized bilateral control of robot arms
[NASA-CASE-NPO-17401-1-CU] c 63 N91-31885

SYNCHRONIZED OSCILLATORS

- Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
Automatic frequency control loop including synchronous switching circuits
[NASA-CASE-KSC-10393] c 09 N72-21247

SYNCHRONIZERS

- Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448
Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Pulse code modulated signal synchronizer
[NASA-CASE-MS-C-12462-1] c 32 N74-20809
Pulse code modulated signal synchronizer
[NASA-CASE-MS-C-12494-1] c 32 N74-20810
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
Memory-based frame synchronizer --- for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747

SYNCHRONOUS MOTORS

- Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
Motor run-up system --- power lines
[NASA-CASE-NPO-13374-1] c 33 N75-19524

SYNCHRONOUS SATELLITES

- Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Serrordyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
Satellite interlace synchronization system
[NASA-CASE-GSC-10390-1] c 07 N72-11149
Synchronous orbit battery cyclor
[NASA-CASE-GSC-11211-1] c 03 N72-25020

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- Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
- Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
- Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448
- Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
- Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
- Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
- A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
- Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
- Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
- TAPERED COLUMNS**
Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
- Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659
- TAPERING**
Tapered, tubular polyester fabric
[NASA-CASE-MSC-21082-1] c 27 N87-29672
- TAPES**
High density tape casting system
[NASA-CASE-NPO-16901-1-CU] c 31 N90-19425
- TARGET ACQUISITION**
Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
- Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160
- TARGET RECOGNITION**
Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- Real-time optical multiple object recognition and tracking system and method
[NASA-CASE-NPO-17139-1-CU] c 74 N88-25301
- TARGET SIMULATORS**
Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855
- Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- TARGETS**
Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Method and apparatus for producing gas-filled hollow spheres --- target pellets for inertial confinement fusion
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- Optical distance measuring instrument
[NASA-CASE-GSC-12761-1] c 74 N86-32266
- Motion detection, novelty filtering, and target tracking using an interferometric technique with a GaAs phase conjugate mirror
[NASA-CASE-NPO-17784-1-CU] c 74 N91-13998
- Standard remote manipulator system docking target augmentation for automated docking
[NASA-CASE-MFS-28419-1] c 18 N91-27200
- Apparatus for precision focussing and positioning of a beam waist on a target
[NASA-CASE-ARC-11916-1-SB] c 74 N92-16811
- TECHNOLOGY UTILIZATION**
Induction-type metal detector with increased scanning area capability
[NASA-CASE-KSC-11386-1] c 35 N90-22023
- TECTONICS**
Method for detecting surface motions and mapping small terrestrial or planetary surface deformations with synthetic aperture radar
[NASA-CASE-NPO-17831-1-CU] c 43 N91-14642

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- TEETH**
Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862
- TEFLON (TRADEMARK)**
Bonding of reinforced Teflon to metals
[NASA-CASE-MFS-20482] c 15 N72-22492
- Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- TELECOMMUNICATION**
Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
- Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
- Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791
- Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613
- Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
- Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
- Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
- Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
- Pseudo-noise test set for communication system evaluation --- test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582
- Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981
- Method and apparatus for quadriphase-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
- Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583
- TELECONFERENCING**
Deployable video conference table
[NASA-CASE-ARC-11950-1] c 09 N94-23310
- TELEMETRY**
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[NASA-CASE-XNP-09752] c 14 N69-21541
- Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
- Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
- Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
- Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
- Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
- Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
- Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
- Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
- Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
- Memory-based parallel data output controller
[NASA-CASE-GSC-12447-2] c 60 N84-28491
- Single frequency multitransmitter telemetry
[NASA-CASE-LAR-13006-1] c 17 N87-16863
- Method and apparatus for telemetry adaptive bandwidth compression
[NASA-CASE-MSC-20821-1] c 17 N87-25348
- VLSI single-chip (255,223) Reed-Solomon encoder with interleaver
[NASA-CASE-NPO-17280-1-CU] c 17 N90-21061

Adaptive data acquisition multiplexing system and method
[NASA-CASE-MSC-21170-1] c 17 N91-14371

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Cooperative multiaxis sensor for teleoperation of article manipulating apparatus
[NASA-CASE-NPO-13386-1] c 54 N75-27758
Method and apparatus for positioning a robotic end effector
[NASA-CASE-MSC-21476-1] c 37 N91-21542
A generalized compliant motion primitive
[NASA-CASE-NPO-18134-1-CU] c 37 N91-32510
Composite video and graphics display for multiple camera viewing system in robotics and teleoperation
[NASA-CASE-NPO-17836-1-CU] c 32 N92-10126
Bilevel shared control for teleoperators
[NASA-CASE-NPO-17800-1-CU] c 37 N92-22036
Operator-tailored adjustable control station with movable monitors and cameras for viewing systems in robotics and teleoperations
[NASA-CASE-NPO-17837-1-CU] c 74 N93-17273
Composite video and graphics display for camera viewing systems in robotics and teleoperation
[NASA-CASE-NPO-17836-1-CU] c 32 N93-18284
Force reflecting hand controller
[NASA-CASE-NPO-17851-1-CU] c 37 N93-23078
Teleoperator control system
[NASA-CASE-NPO-18116-1-CU] c 37 N94-10670

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[NASA-CASE-KSC-11023-1] c 32 N79-23310

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Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524

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[NASA-CASE-NPO-17836-1-CU] c 32 N92-10126
Operator-tailored adjustable control station with movable monitors and cameras for viewing systems in robotics and teleoperations
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Teleoperator control system
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TELESCOPES
Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
Method and apparatus for aligning a laser beam projector
[NASA-CASE-NPO-11087] c 23 N71-29125
Rotable accurate reflector system for telescopes Patent
[NASA-CASE-NPO-10468] c 23 N71-33229
Star image motion compensator
[NASA-CASE-LAR-10523-1] c 14 N72-22444
Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
Boreoscope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
Compensation for primary reflector wavefront error
[NASA-CASE-NPO-16869-1CU] c 74 N86-33138
Method and apparatus for phasing segmented mirror arrays
[NASA-CASE-NPO-18095-1-CU] c 74 N92-29122
Conically scanned holographic lidar telescope
[NASA-CASE-GSC-13462-1] c 74 N94-20591

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Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102

TELEVISION CAMERAS
Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
Color television system
[NASA-CASE-MSC-12146-1] c 07 N72-17109
TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387
Optical conversion method — for spacecraft television
[NASA-CASE-MSC-12618-1] c 74 N78-17865
Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427

Wind dynamic range video camera
[NASA-CASE-MFS-25750-1] c 32 N86-20647
Automated weld torch guidance control system
[NASA-CASE-MFS-25807-2] c 37 N86-21850
Composite video and graphics display for multiple camera viewing system in robotics and teleoperation
[NASA-CASE-NPO-17836-1-CU] c 32 N92-10126
Composite video and graphics display for camera viewing systems in robotics and teleoperation
[NASA-CASE-NPO-17836-1-CU] c 32 N93-18284

TELEVISION EQUIPMENT
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
Television multiplexing system
[NASA-CASE-KSC-10654-1] c 07 N73-30115
Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014
Spacecraft docking and alignment system — using television camera system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893

TELEVISION RECEIVERS
Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579

TELEVISION RECEPTION
Rationally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117

TELEVISION SYSTEMS
Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539
Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728
Large TV display system
[NASA-CASE-NPO-16932-1CU] c 33 N87-15413
Optical joint correlator for real-time image tracking and retinal surgery
[NASA-CASE-MSC-21509-1] c 74 N91-25840
Composite video and graphics display for multiple camera viewing system in robotics and teleoperation
[NASA-CASE-NPO-17836-1-CU] c 32 N92-10126
Real-time edge-enhanced optical correlator
[NASA-CASE-NPO-18379-1-CU] c 74 N92-33022
Large area projection liquid-crystal video display system with inherent grid pattern optically removed
[NASA-CASE-NPO-16932-2-CU] c 74 N93-13711
Composite video and graphics display for camera viewing systems in robotics and teleoperation
[NASA-CASE-NPO-17836-1-CU] c 32 N93-18284

TELEVISION TRANSMISSION
Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
Television noise reduction device
[NASA-CASE-MSC-12607-1] c 32 N75-21485

TELLURIUM
Targets for producing high purity I-123
[NASA-CASE-LEW-10518-3] c 25 N78-27226

TEMPERATURE
Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098

TEMPERATURE COMPENSATION
Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440
Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496

Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294

TEMPERATURE CONTROL
Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343
Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357
Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792
Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890
Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
Apparatus for controlling the temperature of balloon-borne equipment
[NASA-CASE-GSC-11620-1] c 34 N74-23039
Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337
Thermal compensator for closed-cycle helium refrigerator — assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
Automatic thermal switch — spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356
Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N83-29625
Heating and cooling system — for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 34 N83-34221
Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 34 N83-35307

- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
- Thermal control system -- removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105
- Method and apparatus for growing crystals
[NASA-CASE-MFS-28137-1] c 76 N88-24544
- Capillary heat transport and fluid management device
[NASA-CASE-MFS-28217-1] c 34 N89-14392
- Method and apparatus for maintaining thermal control in plasma conditions
[NASA-CASE-MFS-28368-1] c 75 N90-10717
- Thermal switch disc for short circuit protection of batteries
[NASA-CASE-MSC-21428-1] c 33 N91-14537
- Mechanized fluid connector and assembly tool system with ball detents
[NASA-CASE-MSC-21434-1] c 37 N92-10197
- Active thermal isolation for temperature responsive sensors
[NASA-CASE-LAR-14612-1] c 34 N92-29954
- TEMPERATURE DISTRIBUTION**
- Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
- Noncontact temperature pattern measuring device
[NASA-CASE-NPO-17024-1-CU] c 35 N88-24943
- Method of remotely characterizing thermal properties of a sample
[NASA-CASE-LAR-13508-3-CU] c 09 N93-11057
- TEMPERATURE EFFECTS**
- Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486
- Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
- Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
- Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213
- Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135
- Radiometric temperature reference Patent
[NASA-CASE-MSC-13276-1] c 14 N71-27058
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-2] c 27 N83-29392
- High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11539-1SB] c 24 N86-21590
- Poly(carbonate-mide) polymer
[NASA-CASE-LAR-13292-1] c 27 N86-24841
- Process for curing bismaleimide resins
[NASA-CASE-ARC-11429-4CU] c 27 N87-15304
- Method for forming hermetic seals
[NASA-CASE-NPO-16423-1-CU] c 37 N87-21334
- Predictive aging of polymers
[NASA-CASE-NPO-17524-1-CU] c 27 N90-10261
- Pressure rig for repetitive casting
[NASA-CASE-LAR-14050-1] c 31 N90-21216
- Flexible diaphragm-extreme temperature usage
[NASA-CASE-MSC-20797-2] c 35 N91-21494
- High temperature, flexible, fiber-preform seal
[NASA-CASE-LEW-15085-1] c 37 N92-22043
- Compensated high temperature strain gage
[NASA-CASE-LAR-14776-1] c 35 N93-12205
- A tough high performance composite matrix
[NASA-CASE-LAR-14338-1] c 24 N93-13416
- TEMPERATURE GRADIENTS**
- Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598
- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124
- Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N86-19580
- High gradient directional solidification furnace
[NASA-CASE-MFS-25963-1] c 35 N86-20750
- TEMPERATURE MEASUREMENT**
- Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
- Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039
- Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
- Method of fabricating an article with cavities -- with thin bottom walls
[NASA-CASE-LAR-10318-1] c 31 N74-18089
- Method for determining thermo-physical properties of specimens -- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
- Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
- Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431
- Multi-channel temperature measurement amplification system -- solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474
- Solar energy control system -- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686
- Method of and apparatus for measuring temperature and pressure -- atmospheric sounding
[NASA-CASE-GSC-12558-1] c 36 N85-21639
- Method of measuring sea surface water temperature with a satellite including wideband, passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- Temperature sensitive oscillator
[NASA-CASE-GSC-12958-1] c 33 N86-32624
- Noncontact temperature pattern measuring device
[NASA-CASE-NPO-17824-1-CU] c 36 N90-17132
- Quantitative surface temperature measurement using two-color thermographic phosphors and video equipment
[NASA-CASE-LAR-13740-1] c 35 N90-22770
- Tank gauging apparatus and method
[NASA-CASE-MSC-21059-3] c 35 N91-21495
- Plug-type heat flux gage
[NASA-CASE-LEW-14967-1] c 35 N91-31608
- Method and apparatus for thermographically and quantitatively analyzing a structure for disbands and/or inclusions
[NASA-CASE-LAR-14559-1] c 38 N92-29829
- Sub-Kelvin resistance thermometer
[NASA-CASE-GSC-13406-1] c 35 N92-33614
- Method of remotely characterizing thermal properties of a sample
[NASA-CASE-LAR-13508-3-CU] c 09 N93-11057
- Multiwavelength pyrometer for gray and non-gray surfaces in the presence of interfering radiation
[NASA-CASE-LEW-15250-1] c 35 N93-17060
- Correction-free pyrometry in radiant wall furnaces
[NASA-CASE-NPO-18655-1-CU] c 35 N93-28322
- High temperature, oxidation resistant noble metal-Al alloy thermocouple
[NASA-CASE-LEW-15515-1] c 35 N93-31298
- High temperature, oxidation resistant noble metal-Al alloy thermocouple
[NASA-CASE-LEW-15515-1] c 35 N94-23826
- TEMPERATURE MEASURING INSTRUMENTS**
- Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
- Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
- Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
- Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
- High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152
- Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472
- Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454
- Temperature-averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N86-19580
- TEMPERATURE PROBES**
- Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N86-19580
- TEMPERATURE PROFILES**
- Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
- Microwave temperature profiler for clear air turbulence prediction
[NASA-CASE-NPO-18115-1-CU] c 47 N92-29148
- TEMPERATURE SENSORS**
- Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
- Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
- Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357
- Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
- Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-2] c 35 N75-25122
- Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071
- Temperature sensitive oscillator
[NASA-CASE-GSC-12958-1] c 33 N86-32624
- Wind tunnel balance
[NASA-CASE-ARC-11877-1-SB] c 09 N91-14357
- Ultra-high temperature stability Joule-Thomson cooler with capability to accommodate pressure variations
[NASA-CASE-NPO-18184-1-CU] c 35 N92-29156
- Active thermal isolation for temperature responsive sensors
[NASA-CASE-LAR-14612-1] c 34 N92-29954
- TEMPERING**
- Gradient tempering process
[NASA-CASE-MFS-28496-1] c 26 N92-34239
- TEMPLATES**
- Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- Method of insulating predesigned disbond areas into composite laminates
[NASA-CASE-LAR-13225-1] c 24 N90-25197
- TENSILE PROPERTIES**
- Tensile film clamps and mounting block for the rheovibron and autovibron viscoelastometer
[NASA-CASE-LAR-13696-1] c 37 N90-20409
- Furnace for tensile/fatigue testing
[NASA-CASE-LEW-14848-1] c 14 N91-27175
- Wet spinning of solid polyamic acid fibers
[NASA-CASE-LAR-14489-1] c 37 N91-27562
- Imide/arylene ether copolymers
[NASA-CASE-LAR-14159-1-CU] c 27 N92-31792
- TENSILE STRENGTH**
- Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
- Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
- Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
- Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
- Device for use in loading tension members -- characterized by elongated elastic body
[NASA-CASE-MFS-21488-1] c 14 N75-24794
- Method of carbonizing polyacrylonitrile fibers
[NASA-CASE-ARC-11261-1] c 24 N83-25789
- Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841
- Polyimides containing carbonyl and ether connecting groups
[NASA-CASE-LAR-13633-1] c 27 N87-24575
- Heat treatment for superalloy
[NASA-CASE-LEW-14262-1] c 26 N87-28647
- Directional solidification of superalloys
[NASA-CASE-MFS-28314-1] c 26 N91-14462

TENSILE STRESS

- Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643
- Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865
- Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- High temperature fiber optic microphone having a pressure-sensing reflective membrane under tensile stress
[NASA-CASE-LAR-14402-1-CU] c 74 N92-33017

TENSILE TESTS

- Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
- Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
- Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
- Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364
- Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
- Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
- Method and apparatus for gripping uniaxial fibrous composite materials
[NASA-CASE-LEW-13758-1] c 24 N84-27829
- Tensile testing apparatus
[NASA-CASE-LAR-13243-1] c 35 N85-34375
- Fatigue testing a plurality of test specimens and method
[NASA-CASE-MFS-28118-1] c 39 N87-25601
- Device for measuring hole elongation in a bolted joint
[NASA-CASE-LAR-13453-1] c 37 N88-14361
- Bearing-bypass material system test
[NASA-CASE-LAR-13458-1] c 35 N88-23967
- Furnace for tensile/fatigue testing
[NASA-CASE-LEW-14848-1] c 14 N91-27175

TENSION

- Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
- Apparatus for elevated temperature compression or tension testing of specimens
[NASA-CASE-LAR-14775-1] c 39 N92-30099

TENSORS

- Method and apparatus for second-rank tensor generation
[NASA-CASE-NPO-17512-1-CU] c 74 N91-26918

TERMINAL GUIDANCE

- Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
- Terminal guidance system --- for guiding aircraft into preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420
- Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519

TERNARY SYSTEMS

- Nicral ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505
- Liquid encapsulated crystal growth
[NASA-CASE-NPO-16808-1-CU] c 76 N87-25868

TERRAIN

- Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- Generation of topographic terrain models utilizing synthetic aperture radar and surface level data
[NASA-CASE-GSC-13212-1] c 43 N91-32546

TERRAIN ANALYSIS

- Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
- Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499
- Improving the geometric fidelity of imaging systems employing sensor arrays
[NASA-CASE-NPO-17970-1-CU] c 43 N90-26384
- Digital parallel processor array for optimum path planning
[NASA-CASE-NPO-18727-1-CU] c 62 N93-28427

TEST CHAMBERS

- Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875

Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent

- [NASA-CASE-XMS-02930] c 11 N71-23042
- Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
- Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
- Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
- Method for measuring biaxial stress in a body subjected to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511
- Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413
- High velocity gas particulate sampling system
[NASA-CASE-MSC-21729-1] c 34 N92-16241

TEST EQUIPMENT

- Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
- Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
- Thermocouple assembly Patent
[NASA-CASE-XNP-01859] c 14 N71-23039
- Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276
- Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
- Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
- Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
- Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
- Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
- Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
- Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
- Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
- Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323
- Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
- Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
- Battery testing device --- for testing cells of multiple-cell battery
[NASA-CASE-MFS-20761-1] c 44 N74-27519
- Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
- Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
- Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
- Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
- Ignitability test method and apparatus
[NASA-CASE-LAR-13996-1-SB] c 25 N90-15161
- Electro-optical spin measurement system
[NASA-CASE-LAR-13629-1] c 09 N91-14356
- Slow positron beam generator for lifetime studies
[NASA-CASE-LAR-14250-1-SB] c 72 N91-27936
- Method and apparatus for using magneto-acoustic remanence to determine embrittlement
[NASA-CASE-LAR-13817-5] c 39 N92-28757
- Magneto acoustic emission method for testing materials for embrittlement
[NASA-CASE-LAR-13817-2] c 39 N92-29155
- An apparatus for gripping test specimens
[NASA-CASE-LEW-15345-2] c 37 N93-28127
- Dynamic tester for rotor seals and bearings
[NASA-CASE-MFS-28493-1] c 09 N94-10669

TEST FACILITIES

- Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
- Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
- Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
- Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245

TEST STANDS

- Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
- Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094
- Device for quick changeover between wind tunnel force and pressure testing
[NASA-CASE-LAR-13512-1] c 35 N87-28884

TEST VEHICLES

- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768

TETHERED SATELLITES

- Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119

TETHERING

- Cable arrangement for rigid tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609
- Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
- Fingered bola body, bola with same, and methods of use
[NASA-CASE-MSC-21967-1] c 37 N92-30026
- Fingered bola body, bola with same, and methods of use
[NASA-CASE-MSC-21967-1] c 37 N94-23822

TETHERLINES

- Flexible/rigidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485
- Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
- Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N87-17037

TETRAETHYL ORTHOSILICATE

- Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171
- Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172

TETRAEDRONS

- Tetrahedral lander
[NASA-CASE-MSC-22082-1] c 18 N94-20590

TETRAPHENYLS

- Metal containing polymers from cyclic tetrameric phenylphosphonitriamides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363

TETRAZOLES

- Kinetic tetrazolium microtiter assay
[NASA-CASE-MSC-21979-1] c 51 N93-17049

TEXTILES

- Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405

TEXTS

- Braille reading system
[NASA-CASE-LAR-13306-1] c 82 N87-29372

TEXTURES

- Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
- Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117

THERAPY

- Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

THERMAL ABSORPTION

- Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051

SOLAR POND

- [NASA-CASE-NPO-13581-2] c 44 N78-31525

THERMAL ANALYSIS

- Thermal remote anemometer system
[NASA-CASE-LAR-13508-1] c 35 N92-21710
- Method of remotely characterizing thermal properties of a sample
[NASA-CASE-LAR-13508-3-CU] c 09 N93-11057

THERMAL COMFORT

- Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002

THERMAL CONDUCTIVITY

- Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
- Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
- Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
- Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
- Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
- Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
- Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
- Automatic thermal switch --- spacecraft applications
[NASA-CASE-GSC-12553-1] c 34 N83-28356
- Heat transfer device and method of making the same
[NASA-CASE-LEW-14162-1] c 34 N91-13668
- Flexible thermal apparatus for mounting of thermoelectric cooler
[NASA-CASE-NPO-17806-1-CU] c 31 N91-27385
- Coupling device with improved thermal interface
[NASA-CASE-GSC-13251-1] c 37 N92-29120
- Heat transfer device
[NASA-CASE-LEW-14162-4] c 24 N93-20568
- Semiconductor cooling apparatus
[NASA-CASE-LEW-14162-3] c 24 N93-29614

THERMAL CONDUCTORS

- Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657

THERMAL CONTROL COATINGS

- Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
- Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
- Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566
- Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147
- Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160
- Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382
- Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237
- Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
- Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
- High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
- Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
- Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331
- Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156
- High temperature glass thermal control structure and coating --- for application to spacecraft reusable heat shielding
[NASA-CASE-ARC-11164-1] c 44 N83-34448
- Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 44 N83-34449
- Metallic seal for thermal barrier coating systems
[NASA-CASE-LEW-15020-1] c 27 N91-15412
- Composite thermal barrier coating
[NASA-CASE-LEW-14999-1] c 24 N92-21725
- Method of applying a thermal barrier coating system to a substrate
[NASA-CASE-LEW-15020-2] c 24 N93-14706
- Oxidation resistant overlay coatings for low expansion substrates
[NASA-CASE-LEW-15154-1] c 27 N93-19332
- Plasma sprayed ceramic thermal barrier coating for NiAl-based intermetallic alloys
[NASA-CASE-LEW-15535-1] c 26 N93-31294

THERMAL DEGRADATION

- Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
- Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-2-SB] c 27 N90-21177

THERMAL DIFFUSION

- Crystal growth in a microgravity environment
[NASA-CASE-MFS-28473-1] c 76 N93-14707
- A method of making a single layer multi-color luminescent display
[NASA-CASE-LAR-14811-1] c 33 N93-20119

THERMAL DIFFUSIVITY

- Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

THERMAL EMISSION

- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178
- Arc-textured high emittance radiator surfaces
[NASA-CASE-LEW-14679-1] c 27 N91-25296

THERMAL ENERGY

- Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134
- Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
- Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
- Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595
- Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
- Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581
- Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029
- Method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-2] c 07 N86-20389
- Thermal power transfer system using applied potential difference to sustain operating pressure difference
[NASA-CASE-NPO-18034-1-CU] c 44 N92-16457
- Selective emitters
[NASA-CASE-LEW-14731-1] c 44 N92-22037
- Pulse thermal energy transport/storage system
[NASA-CASE-LEW-15235-1] c 34 N92-29125
- Solar thermal energy receiver
[NASA-CASE-LEW-14949-1] c 44 N92-29143

THERMAL EXPANSION

- Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
- Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
- Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
- Glass-to-metal seals comprising relatively high expansion metals
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- Daze fasteners
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- High effectiveness contour matching contact heat exchanger
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- Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
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- Thermal compensating mount
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- Method of fabricating composite structures
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- Flush mounting of thin film sensors
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- Oxidation resistant overlay coatings for low expansion substrates
[NASA-CASE-LEW-15154-1] c 27 N93-19332
- Method for producing a hybridization of detector array and integrated circuit for readout
[NASA-CASE-NPO-18062-1-CU] c 33 N94-10656
- Carbon-carbon grid for ion engines
[NASA-CASE-NPO-19174-1-CU] c 20 N94-15876
- A process for preparing an assembly of an article and a soluble polyimide which resists dimensional change, delamination, and debonding when exposed to changes in temperature
[NASA-CASE-LAR-14763-1] c 27 N94-20373
- THERMAL FATIGUE**
- Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276
- THERMAL INSULATION**
- Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935
- Insulating structure Patent
[NASA-CASE-MSC-00341] c 15 N70-33323
- Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XMF-01030] c 18 N70-41583
- Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
- Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
- Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897
- Cryogenic insulation system Patent
[NASA-CASE-XLE-04222] c 23 N71-22881
- Insulation system Patent
[NASA-CASE-XLE-02647] c 18 N71-23658
- Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
- Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351
- Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
- Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
- Cryogenic thermal insulation Patent
[NASA-CASE-MSC-05046] c 33 N71-28892
- Intumescent composition, foamed product prepared therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
- Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
- Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
- High current electrical lead --- for thermionic converters
[NASA-CASE-LEW-10950-1] c 33 N74-27683
- Structural heat pipe --- for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222
- Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
- Auger attachment method for insulation --- of spacecraft
[NASA-CASE-MSC-12615-1] c 37 N76-19437
- Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
- Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221
- Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
- Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317
- Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- Carbonyl/cyclotriphosphazenes and their polymers --- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

- Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MSC-16934-3] c 24 N84-16262
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841
Ceramic-ceramic shell tile thermal protection system and method thereof
[NASA-CASE-ARC-11641-1] c 24 N88-18628
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[NASA-CASE-MSC-20782-1] c 27 N90-23566
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[NASA-CASE-MSC-21503-1] c 27 N92-10091
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[NASA-CASE-ARC-11955-1-CU] c 24 N94-15926
- THERMAL MAPPING**
Noncontact temperature pattern measuring device
[NASA-CASE-NPO-17024-1-CU] c 35 N88-24943
- THERMAL NOISE**
Vacuum-isolation vessel and method for measurement of thermal noise in microphones
[NASA-CASE-LAR-14567-1-CU] c 33 N92-33021
- THERMAL PLASMAS**
Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
- THERMAL PROTECTION**
Thermo-protective device for balances Patent
[NASA-CASE-XAC-00648] c 14 N70-40400
Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623
Spacecraft radiator cover Patent
[NASA-CASE-MSC-12049] c 31 N71-16080
Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858
Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903
Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
Stand-off type ablative heat shield
[NASA-CASE-MSC-12143-1] c 33 N72-17947
Flexible fire retardant polyisocyanate modified neoprene foam — for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814
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[NASA-CASE-MSC-19666-1] c 37 N78-17383
Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
Corrosion resistant thermal barrier coating — protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
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[NASA-CASE-MSC-18741-1] c 27 N82-29456
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[NASA-CASE-LAR-12620-1] c 24 N82-32417
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
Silicon-slurry/aluminide coating — protecting gas turbine engine vanes and blades
[NASA-CASE-LEW-13343] c 26 N83-31795
Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-1335901] c 27 N83-31855
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[NASA-CASE-LEW-13450-1] c 31 N83-35177
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[NASA-CASE-MSC-20254-1] c 16 N84-22601
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[NASA-CASE-LAR-12862-1] c 27 N84-27886
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[NASA-CASE-MFS-25946-1] c 20 N86-26368
Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N86-29039
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[NASA-CASE-LAR-13351-1] c 27 N86-31727
Thermal stress minimized, two component, turbine shroud seal
[NASA-CASE-LEW-14212-1] c 37 N88-23978
Thermal switch disc for short circuit protection of batteries
[NASA-CASE-MSC-21428-1] c 33 N91-14537

- Metallic seal for thermal barrier coating systems
[NASA-CASE-LEW-15020-1] c 27 N91-15412
Thermally isolated deployable shield for spacecraft
[NASA-CASE-MFS-28524-1] c 18 N91-25167
High-temperature, flexible, thermal barrier seal
[NASA-CASE-LEW-14672-1] c 37 N91-27560
- THERMAL RADIATION**
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545
Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852
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[NAS 1.71:NPO-15494-2] c 35 N85-34373
- THERMAL REACTORS**
Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
- THERMAL RESISTANCE**
Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
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[NASA-CASE-ARC-10464-1] c 27 N74-12812
Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652
Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
Ambient cure polyimide foams — thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
The 1,2,4-oxadiazole elastomers — heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
Surface conforming thermal/pressure seal — tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N84-23113
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N84-28484
Thermal barrier coating system
[NASA-CASE-LEW-13324-2] c 24 N85-21266
High temperature polyimide film laminates and process for preparation thereof
[NASA-CASE-LAR-13384-1] c 27 N86-20561
Fire resistant polyamide based on 1-(diorganoxyphosphonyl)methyl-2,4- and -2,6-diamino benzene
[NASA-CASE-ARC-11512-2] c 27 N86-32568
Fire and heat resistant laminating resins based on maleimido substituted aromatic cyclotriphosphazene polymer
[NASA-CASE-ARC-11428-2] c 27 N87-16909
Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11533-1] c 27 N87-23751
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[NASA-CASE-MSC-20797-1] c 37 N87-23981
Fire and heat resistant laminating resins based on maleimido and citraconimido substituted 1-(diorgano oxyphosphonyl) methyl -2,4- and -2,6- diaminobenzenes
[NASA-CASE-ARC-11533-3] c 27 N87-24564
Fire and heat resistant laminating resin based on maleimido and citraconimido substituted 1-(diorganoxyphosphonyl-methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11533-2] c 27 N89-16042
- THERMAL SHOCK**
Thermal shock apparatus Patent
[NASA-CASE-XLE-02024] c 14 N71-22964
Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584
Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- THERMAL SIMULATION**
Thermopile vacuum gage tube simulator Patent
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- Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
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[NASA-CASE-LEW-10219-1] c 18 N71-28729
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871
Infusible silazane polymer and process for producing same — protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190
Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
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[NASA-CASE-LEW-12876-2] c 27 N83-29392
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N84-27884
High temperature resistant polyimide from tetra ester, diamine, diester and N-arynamide
[NASA-CASE-LEW-13864-1] c 27 N86-19457
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[NASA-CASE-LAR-12931-2] c 27 N86-21675
Sulfone-ester polymers containing pendent ethynyl groups
[NASA-CASE-LAR-13316-1] c 27 N86-27450
Tough, high performance, addition-type thermoplastic polymers
[NASA-CASE-LAR-14346-1] c 27 N92-22044
Vinyl capped addition polyimides
[NASA-CASE-LEW-15027-2] c 27 N92-24053
Ultra-high temperature stability Joule-Thomson cooler with capability to accommodate pressure variations
[NASA-CASE-NPO-18184-1-CU] c 35 N92-29156
Polybenzimidazoles via aromatic nucleophilic displacement
[NASA-CASE-LAR-14643-1] c 27 N92-29953
Compounds containing meta-biphenylenedioxy moieties and polymers therefrom
[NASA-CASE-LAR-14517-1] c 27 N94-15879
Polyimides containing amide and perfluoroisopropylidene connecting groups
[NASA-CASE-LAR-14608-1] c 27 N94-20374
Ceramic silicon-boron-carbon fibers from organic silicon-boron-polymers
[NASA-CASE-ARC-11956-1-SB] c 27 N94-23311
- THERMAL STRESSES**
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
Multilugged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
Method for alleviating thermal stress damage in laminates — metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170
Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Daze fasteners
[NASA-CASE-LAR-13009-1] c 37 N85-29285
Thermal stress minimized, two component, turbine shroud seal
[NASA-CASE-LEW-14212-1] c 37 N88-23978
Method for advanced material characterization by laser induced eddy current imaging
[NASA-CASE-GSC-13386-1] c 38 N92-29154
- THERMIONIC CATHODES**
Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421
- THERMIONIC CONVERTERS**
Triode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898
Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-01903] c 22 N71-23599
Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421

- Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409
- Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228
- High current electrical lead --- for thermionic converters
[NASA-CASE-LEW-10950-1] c 33 N74-27683
- Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
- Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891
- High thermal power density heat transfer --- thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399
- Thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N83-32175
- THERMIONIC DIODES**
Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055
- Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
- Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
- Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228
- THERMIONIC EMITTERS**
Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646
- THERMIONIC POWER GENERATION**
Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913
- High thermal power density heat transfer apparatus providing electrical isolation at high temperature using heat pipes
[NASA-CASE-LEW-12950-2] c 34 N85-29179
- Thermionic photovoltaic energy converter
[NASA-CASE-LEW-14077-1] c 44 N85-34441
- THERMISTORS**
Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554
- Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780
- Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449
- THERMOCHEMISTRY**
Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- THERMOCHROMATIC MATERIALS**
Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-2] c 35 N75-25122
- THERMOCOUPLE PYROMETERS**
Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652
- THERMOCOUPLES**
Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
- Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
- Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
- Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22989
- Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039
- Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
- Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
- Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472
- Thermocouple tape --- developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N76-15434
- Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454
- Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
- Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431
- Solar energy control system --- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 35 N83-35338
- Thermocouple for heating and cooling of memory metal actuators
[NASA-CASE-NPO-17068-1-CU] c 35 N88-29151
- Plug-type heat flux gauge
[NASA-CASE-LEW-14967-1] c 35 N91-31608
- Method of producing a plug-type heat flux gauge
[NASA-CASE-LEW-14967-2] c 35 N92-22038
- High temperature, oxidation resistant noble metal-Al alloy thermocouple
[NASA-CASE-LEW-15515-1] c 35 N93-31298
- Dual active surface, miniature, plug-type heat flux gauge
[NASA-CASE-LEW-15643-1] c 35 N94-15928
- High temperature, oxidation resistant noble metal-Al alloy thermocouple
[NASA-CASE-LEW-15515-1] c 35 N94-23826
- THERMODYNAMIC CYCLES**
Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640
- THERMODYNAMIC EFFICIENCY**
Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N83-36483
- THERMODYNAMIC PROPERTIES**
Thermal shock apparatus Patent
[NASA-CASE-XLE-02024] c 14 N71-22964
- Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049
- Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N83-34191
- Chemical approach for controlling nadimide cure temperature and rate
[NASA-CASE-LEW-13770-5] c 27 N85-21352
- Fire resistant polyamide based on 1-(diorganooxyphosphonyl)methyl-2,4- and -2,6diamino benzene
[NASA-CASE-ARC-11512-2] c 27 N86-32568
- Method of remotely characterizing thermal properties of a sample
[NASA-CASE-LAR-13508-3-CU] c 09 N93-11057
- THERMODYNAMICS**
Joule Thomson refrigerator
[NASA-CASE-NPO-17143-1-CU] c 31 N89-14351
- THERMOELECTRIC GENERATORS**
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
- Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
- Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136
- Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
- AMTEC vapor-vapor series connected cells
[NASA-CASE-NPO-18667-1-CU] c 33 N93-19330
- THERMOELECTRIC MATERIALS**
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
- Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
- Stabilized lanthanum sulphur compounds --- thermoelectric materials
[NASA-CASE-NPO-16135-1] c 25 N83-24572
- THERMOELECTRIC POWER GENERATION**
Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803
- Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
- Thermoelectric power system --- for spacecraft
[NASA-CASE-MFS-22002-1] c 44 N76-16612
- THERMOELECTRICITY**
Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472
- Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
[NASA-CASE-NPO-11749] c 14 N73-28486
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Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974

Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998

Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494

Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506

Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773

Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622

Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624

High dynamic global positioning system receiver
[NASA-CASE-NPO-16171-1-CU] c 04 N86-27270

TIME FUNCTIONS

Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659

TIME LAG

Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930

Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506

Signal phase estimator
[NASA-CASE-NPO-11203] c 10 N72-20224

Automatic transponder --- measurement of the internal delay time of a transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350

Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403

TIME MEASUREMENT

Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338

Synchronization tracking in pulse position modulation receiver
[NASA-CASE-NPO-16256-1] c 32 N87-21207

TIME MEASURING INSTRUMENTS

Measurement of time differences between luminous events Patent

[NASA-CASE-XLA-01987] c 23 N71-23976

Error correction method and apparatus for electronic timepieces

[NASA-CASE-LAR-12654-1] c 33 N83-36357

TIME OF FLIGHT SPECTROMETERS

Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent

[NASA-CASE-XNP-01056] c 14 N71-23041

TIME SERIES ANALYSIS

Apparatus for statistical time-series analysis of electrical signals

[NASA-CASE-MSC-12428-1] c 10 N73-25240

Solid sorbent air sampler

[NASA-CASE-MSC-20653-1] c 35 N86-26595

TIME SHARING

Integrated time shared instrumentation display Patent

[NASA-CASE-XLA-01952] c 08 N71-12507

TIME SIGNALS

System for monitoring signal amplitude ranges

[NASA-CASE-XMS-04061-1] c 09 N69-39885

Method of resolving clock synchronization error and means therefor Patent

[NASA-CASE-XNP-08875] c 10 N71-23099

Time synchronization system utilizing moon reflected coded signals Patent

[NASA-CASE-NPO-10143] c 10 N71-26326

Counter Patent

[NASA-CASE-XNP-06234] c 10 N71-27137

System for generating timing and control signals

[NASA-CASE-NPO-13125-1] c 33 N75-19519

Precise RF timing signal distribution to remote stations — fiber optics

[NASA-CASE-NPO-14749-1] c 32 N81-14186

TIMING DEVICES

Synchronous servo loop control system Patent

[NASA-CASE-XNP-03744] c 10 N71-20448

Method of resolving clock synchronization error and means therefor Patent

[NASA-CASE-XNP-08875] c 10 N71-23099

Resettable monostable pulse generator Patent

[NASA-CASE-GSC-11139] c 09 N71-27016

Data transfer system Patent

[NASA-CASE-NPO-12107] c 08 N71-27255

High speed photo-optical time recording

[NASA-CASE-KSC-10294] c 14 N72-18411

Timing control system

[NASA-CASE-NPO-16882-1-CU] c 33 N88-24863

Measurand transient signal suppressor

[NASA-CASE-MSC-22027-1] c 63 N93-17056

TIN OXIDES

Process for making a noble metal on tin oxide catalyst

[NASA-CASE-LAR-13741-1-SB] c 25 N90-20180

TIPS

Thin wire pointing method

[NASA-CASE-NPO-15789-1] c 31 N83-19947

TIRES

Excessive temperature warning system Patent

[NASA-CASE-XLA-01826] c 14 N71-15620

Resilient wheel Patent

[NASA-CASE-MFS-13929] c 15 N71-27091

Method and apparatus for cleaning rubber deposits from airport runways and roadways

[NASA-CASE-LAR-14483-1] c 31 N93-22035

Remote tire pressure sensing technique

[NASA-CASE-LAR-14160-1] c 35 N94-15884

TISSUES (BIOLOGY)

Servo-controlled intravital microscope system

[NASA-CASE-NPO-13214-1] c 35 N75-25123

Method and system for in vivo measurement of bone tissue using a two level energy source

[NASA-CASE-MSC-14276-1] c 52 N77-14737

System for and method of freezing biological tissue

[NASA-CASE-GSC-12173-1] c 51 N79-10694

Coupling apparatus for ultrasonic medical diagnostic system

[NASA-CASE-NPO-13935-1] c 52 N79-14751

Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means

[NASA-CASE-NPO-13910-1] c 52 N79-27836

Multifunctional transducer

[NASA-CASE-NPO-14329-1] c 52 N81-20703

Enhancement of in vitro guayule propagation

[NASA-CASE-NPO-15213-1] c 51 N83-17045

Method for thermal monitoring subcutaneous tissue

[NASA-CASE-LAR-13028-1] c 52 N85-30618

Spiral vane bioreactor

[NASA-CASE-MSC-21361-1] c 51 N91-21701

Horizontally rotated cell culture system with a coaxial tubular oxygenator

[NASA-CASE-MSC-21294-1] c 51 N91-30667

Three-dimensional co-culture process

[NASA-CASE-MSC-21560-1] c 51 N92-34229

Three-dimensional cell to tissue assembly process

[NASA-CASE-MSC-21559-1] c 51 N92-34231

Method for culturing mammalian cells in a perfused bioreactor

[NASA-CASE-MSC-21293-2] c 51 N93-10109

Method for culturing mammalian cells in a horizontally rotated bioreactor

[NASA-CASE-MSC-21294-2] c 51 N93-10110

High density cell culture system

[NASA-CASE-MSC-22060-1] c 51 N93-19037

Cultured normal mammalian tissue and process

[NASA-CASE-MSC-21984-1] c 51 N94-15969

TITANATES

Synthesis of zinc titanate pigment and coatings containing the same

[NASA-CASE-MFS-13532] c 18 N72-17532

TITANIUM

Method of joining aluminum to stainless steel Patent

[NASA-CASE-MFS-07369] c 15 N71-20443

Weld-bonded titanium structures

[NASA-CASE-LAR-11549-1] c 37 N77-11397

Method of mitigating titanium impurities effects in p-type silicon material for solar cells

[NASA-CASE-NPO-14635-1] c 44 N80-24741

Method and apparatus for coating substrates using a laser

[NASA-CASE-LEW-13526-1] c 36 N84-22944

Oxygen diffusion barrier coating

[NASA-CASE-LAR-13474-1-SB] c 26 N87-25455

TITANIUM ALLOYS

Method of inhibiting stress corrosion cracks in titanium alloys Patent

[NASA-CASE-NPO-10271] c 17 N71-16393

Nondestructive spot test method for titanium and titanium alloys

[NASA-CASE-LAR-10539-1] c 17 N73-12547

Method and apparatus for coating substrates using a laser

[NASA-CASE-LEW-13526-1] c 36 N84-22944

Oxidation resistant coating for titanium alloys and titanium alloy matrix composites

[NASA-CASE-LEW-15155-1] c 27 N92-29090

Multi-layer light-weight protective coating and method for application

[NASA-CASE-LAR-14448-1] c 27 N93-11912

TITANIUM NITRIDES

Improved refractory coatings — sputtered coatings on substrates that form stable nitrides

[NASA-CASE-LEW-23169-2] c 26 N81-16209

TITANIUM OXIDES

Method of preparing zinc orthotitanate pigment

[NASA-CASE-MFS-23345-1] c 27 N77-30237

TOILETS

Hydraulic lifting device

[NASA-CASE-SSC-00008-1] c 37 N91-13733

Valve for waste collection and storage

[NASA-CASE-MSC-21025-4] c 54 N91-14723

Method for waste collection and storage

[NASA-CASE-MSC-21025-2] c 54 N91-14724

Method and apparatus for waste collection and storage

[NASA-CASE-MSC-21025-3] c 54 N91-26747

TOLERANCES (MECHANICS)

Universal restrainer and joint Patent

[NASA-CASE-XNP-02278] c 15 N71-28951

A tough performance simultaneous

[NASA-CASE-LAR-14339-1] c 27 N90-26955

Mold bolt and means for achieving close tolerances between bolts and bolt holes

[NASA-CASE-MFS-28720-1] c 37 N94-20379

TOLUENE

Supercritical multicomponent solvent coal extraction

[NASA-CASE-NPO-15767-1] c 23 N84-16255

TOMOGRAPHY

System for plotting subsoil structure and method therefor

[NASA-CASE-NPO-14191-1] c 31 N80-32584

Three-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects

[NASA-CASE-GSC-12851-1] c 35 N85-30281

TOOLS

Tool attachment for spreading loose elements away from work Patent

[NASA-CASE-XMF-02107] c 15 N71-10809

Adjustable attitude guide device Patent

[NASA-CASE-XLA-07911] c 15 N71-15571

Tube dimpling tool Patent

[NASA-CASE-XMS-06876] c 15 N71-21536

Stud-bonding gun

[NASA-CASE-MFS-20299] c 15 N72-11392

Insert facing tool — manually operated cutting tool for forming studs in honeycomb material

[NASA-CASE-MFS-21485-1] c 37 N74-25968

Stator rotor tools

[NASA-CASE-MSC-16000-1] c 37 N78-24544

Computer circuit card puller

[NASA-CASE-FRC-11042-1] c 60 N82-24839

Open ended tubing cutters

[NASA-CASE-MSC-18538-1] c 37 N82-26672

Apparatus for accurately preloading auger attachment means for frangible protective material

[NASA-CASE-MSC-18791-1] c 37 N83-36482

Tubing and cable cutting tool

[NASA-CASE-LAR-12786-1] c 37 N84-28085

Connection system — insuring against loss of a tool component without using multiple tethers

[NASA-CASE-MSC-20319-1] c 37 N85-21649

Tool and process for miniature explosive joining of tubes

[NASA-CASE-LAR-13662-1] c 37 N88-14359

Adjustable depth gage

[NASA-CASE-LEW-14880-1] c 35 N92-21723

Bearing servicing tool

[NASA-CASE-MSC-21881-1] c 37 N93-14871

Retractable tool bit having latch type catch mechanism

[NASA-CASE-GSC-13359-1] c 37 N93-18286

Split rail gripper assembly and tool driver therefor

[NASA-CASE-MSC-13370-2] c 37 N93-18288

TOOTH DISEASES

Process for the preparation of brushite crystals

[NASA-CASE-ERC-10338] c 04 N72-33072

TOPOGRAPHY

Method for observing the features characterizing the surface of a land mass

[NASA-CASE-FRC-11013-1] c 43 N81-17499

Generation of topographic terrain models utilizing synthetic aperture radar and surface level data

[NASA-CASE-GSC-13212-1] c 43 N91-32546

Phase-stepping fiber-optic projected fringe system for surface topography measurements

[NASA-CASE-LEW-14996-1] c 74 N93-11058

TORCHES

Apparatus for welding torch angle and seam tracking control Patent

[NASA-CASE-XMF-03287] c 15 N71-15607

Electric welding torch Patent

[NASA-CASE-XMF-02330] c 15 N71-23798

Computerized system for translating a torch head

[NASA-CASE-MFS-23620-1] c 37 N79-10421

Welding torch with arc light reflector

[NASA-CASE-MFS-29134-1] c 74 N87-17493

Welding torch gas cup extension

[NASA-CASE-MFS-29252-1] c 37 N88-23980

Internal wire guide for GTAW welding

[NASA-CASE-MFS-29489-1] c 31 N90-23586

Electrode carrying wire for GTAW welding

[NASA-CASE-MFS-29491-1] c 31 N90-26168

TOROIDAL SHELLS

Toroidal cell and battery — storage battery for high amp-hour load applications

[NASA-CASE-LEW-12918-1] c 44 N81-24521

TOROIDS

Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon

[NASA-CASE-XGS-01881] c 09 N70-40123

Shaft transducer having dc output proportional to angular velocity

[NASA-CASE-NPO-15706-1] c 35 N84-28017

Improved high power/high frequency inductor

[NASA-CASE-NPO-17830-1-CU] c 33 N91-14539

TORQUE

Bidirectional step torque filter with zero backlash characteristic Patent

[NASA-CASE-XGS-04227] c 15 N71-21744

Isolation coupling arrangement for a torque measuring system

[NASA-CASE-XLA-04897] c 15 N72-22482

High-torque open-end wrench

[NASA-CASE-NPO-13541-1] c 37 N79-14383

Acoustic driving of rotor

[NASA-CASE-NPO-14005-1] c 71 N79-20827

Magnetic field control — electromechanical torquing device

[NASA-CASE-MFS-23828-1] c 33 N82-26569

Missile rolling tail brake torque system — simulating bearing friction on canard controlled missiles

[NASA-CASE-LAR-12751-1] c 15 N84-16231

Directional gear ratio transmissions

[NASA-CASE-LAR-12644-1] c 37 N84-28084

Helicopter anti-torque system using strakes

[NASA-CASE-LAR-13233-1] c 05 N84-33400

Dual towline spin-recovery device

[NASA-CASE-LAR-13076-1] c 08 N85-35200

Helicopter anti-torque system using fuselage

Spline screw multiple rotations mechanism
[NASA-CASE-GSC-13452-1] c 37 N94-23078

TORQUE MOTORS
Low speed phaselock speed control system --- for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758
Magnetic bearing and motor
[NASA-CASE-GSC-12726-1] c 37 N83-34323
A universal computer control system for motors
[NASA-CASE-NPO-17134-1-CU] c 33 N91-31528

TORQUE SENSORS (ROBOTICS)
Torque sensor having a spoked sensor element support structure
[NASA-CASE-NPO-17461-1-CU] c 35 N91-17350

TORQUEMETERS
Optical torquemeter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
Balance torquemeter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987

TORSION
Torsional suspension system for testing space structures
[NASA-CASE-LAR-14149-1-SB] c 14 N91-21176
Suspension device for low-frequency structures
[NASA-CASE-LAR-14272-1-CU] c 14 N93-24598

TORSO
Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
Torso sizing ring construction for hard space suit
[NASA-CASE-ARC-11616-1] c 54 N86-28618

TOUCH
Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463
Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013

TOUGHNESS
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-1] c 24 N86-19380
High performance mixed bisimide resins and composites based thereon
[NASA-CASE-ARC-11538-1SB] c 24 N86-21590
Toughening reinforced epoxy composites with brominated polymeric additives
[NASA-CASE-ARC-11427-2] c 27 N86-27451
Gradient tempering process
[NASA-CASE-MFS-28496-1] c 26 N92-34239
Semi-interpenetrating polymer network for tougher and more microcracking resistant high temperature polymers
[NASA-CASE-LAR-13925-2] c 27 N93-11059

TOWERS
Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343

TOXICITY
Glass compositions with a high modulus of elasticity --- nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
Low toxicity high temperature PMR polyimide
[NASA-CASE-LAR-14639-1] c 27 N93-14709

TOXICITY AND SAFETY HAZARD
Apparatus for remote handling of materials --- mixing or analyzing dangerous chemicals
[NASA-CASE-LAR-10634-1] c 37 N74-18123

TOXICOLOGY
Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875

TRACE CONTAMINANTS
Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701
Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
Nebulization reflux concentrator
[NASA-CASE-LAR-13254-1CU] c 35 N86-29174

TRACE ELEMENTS
Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323

Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210
Reversal electron attachment ionizer for detection of trace species
[NASA-CASE-NPO-17596-1-CU] c 35 N89-28795
Electron reversal ionizer for detection of trace species using a spherical cathode
[NASA-CASE-NPO-18870-1-CU] c 72 N94-17329

TRACKED VEHICLES
Tank tread assemblies with track-linking mechanism
[NASA-CASE-NPO-16321-1CU] c 37 N87-17034

TRACKING (POSITION)
Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
System and method for tracking a signal source --- employing feedback control
[NASA-CASE-HQN-10880-1] c 17 N78-17140
Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
Motion detection, novelty filtering, and target tracking using an interferometric technique with a GaAs phase conjugate mirror
[NASA-CASE-NPO-17784-1-CU] c 74 N91-13998
Method and apparatus for positioning a robotic end effector
[NASA-CASE-MSC-21476-1] c 37 N91-21542
Optical joint correlator for real-time image tracking and retinal surgery
[NASA-CASE-MSC-21509-1] c 74 N91-25840

TRACKING FILTERS
Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405

TRACKING RADAR
Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951

TRACKING STATIONS
Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854

TRACTION
Articulated suspension system
[NASA-CASE-NPO-17354-1-CU] c 37 N90-17153

TRAFFIC CONTROL
Traffic survey system --- using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888

TRAILERS
Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

TRAILING EDGES
Serrated trailing edges for improving lift and drag characteristics of lifting surfaces
[NASA-CASE-LAR-13870-1-CU] c 05 N92-21587

TRAILING-EDGE FLAPS
Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097

TRAINING DEVICES
Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193
Virtual reality flight control display with six-degree-of-freedom controller and spherical orientation overlay
[NASA-CASE-NPO-18733-1-CU] c 06 N93-30416

TRAINING SIMULATORS
Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494

Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474
Kinesthetic control simulator --- for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662

TRAJECTORIES
A generalized compliant motion primitive
[NASA-CASE-NPO-18134-1-CU] c 37 N91-32510
Bilevel shared control for teleoperators
[NASA-CASE-NPO-17800-1-CU] c 37 N92-22036

TRAJECTORY ANALYSIS
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990

TRAJECTORY CONTROL
Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691
Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873
Terminal slider control of nonlinear robotic systems
[NASA-CASE-NPO-18584-1-CU] c 37 N93-11177

TRAJECTORY PLANNING
Digital parallel processor array for optimum path planning
[NASA-CASE-NPO-18727-1-CU] c 62 N93-28427

TRANSDUCERS
Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
Extensometer frame
[NASA-CASE-XLA-10322] c 15 N72-17452
Split range transducer
[NASA-CASE-XLA-11189] c 10 N72-20222
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
Magnifying scratch gage force transducer
[NASA-CASE-LAR-10496-1] c 14 N72-22437
Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160
Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
LC-oscillator with automatic stabilized amplitude via bias current control --- power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N84-28015
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N84-28019

- Thin film strain transducer --- suitable for in-flight measurement of scientific balloon strain
[NASA-CASE-WLP-10055-2] c 35 N85-21598
- Gravity enhanced acoustic levitation method and apparatus
[NASA-CASE-NPO-16147-1-CU] c 71 N85-29693
- Adjustable mount for electro-optic transducers in an evacuated cryogenic system
[NASA-CASE-LAR-13100-1] c 37 N87-23982
- Single mode levitation and translation
[NASA-CASE-NPO-16675-1-CU] c 71 N88-24241
- Low power consumption current transducer
[NASA-CASE-NPO-16888-1-CU] c 33 N89-29681
- A method and apparatus for indicating disbands in joint regions
[NASA-CASE-LAR-14626-1] c 38 N92-17859
- Smart accelerometer --- vibration damage detection
[NASA-CASE-MSC-21951-1] c 35 N92-23545
- Pressure transducer and system for cryogenic environments
[NASA-CASE-LAR-14579-1] c 35 N92-29097
- Acoustophoresis method and apparatus
[NASA-CASE-LAR-13388-1] c 25 N92-33611
- Measurand transient signal suppressor
[NASA-CASE-MSC-22027-1] c 63 N93-17056
- Control system and method for prosthetic devices
[NASA-CASE-MSC-21941-1] c 54 N93-17087
- TRANSFER FUNCTIONS**
Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333
- Head related transfer function pseudo-stereophony
[NASA-CASE-ARC-11919-1-NP] c 71 N94-23312
- TRANSFORMATIONS (MATHEMATICS)**
Programmable remapper with single flow architecture
[NASA-CASE-MSC-21481-1] c 60 N91-13890
- TRANSFORMERS**
Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
- Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
- Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
- Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
- Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
- Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
- Fail-safe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262
- Banded transformer cores
[NASA-CASE-NPO-11966-1] c 33 N74-17928
- Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
- Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
- Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
- System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415
- Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
- High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146
- Forback DC-to-DC converter
[NASA-CASE-GSC-13404-1] c 33 N94-15874
- TRANSIENT HEATING**
Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
- TRANSIENT LOADS**
Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874
- TRANSIENT RESPONSE**
Measurand transient signal suppressor
[NASA-CASE-MSC-22027-1] c 63 N93-17056
- TRANSISTOR AMPLIFIERS**
Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
- TRANSISTOR CIRCUITS**
Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
- Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
- Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
- Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- High voltage transistor circuit Patent
[NASA-CASE-GSC-06937] c 09 N71-19516
- Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015
- Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
- Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
- Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
- Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862
- Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
- Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- TRANSISTORS**
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
- Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
- Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415
- Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
- Coaxial inverted geometry transistor having buried emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
- Four phase logic systems --- including integrated microcircuits
[NASA-CASE-MSC-14240-1] c 33 N75-14957
- Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
- Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- Four quadrant control circuit for a brushless three-phase dc motor
[NASA-CASE-MFS-28080-1] c 33 N87-21233
- Nonvolatile programmable neural network synaptic array
[NASA-CASE-NPO-18578-1-CU] c 33 N92-30086
- GaAs-based optoelectronic neurons
[NASA-CASE-NPO-18497-1-CU] c 63 N93-24599
- TRANSITION FLOW**
Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796
- TRANSITION TEMPERATURE**
Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
- Method of producing high T(subc) superconducting NBN films
[NASA-CASE-NPO-16681-1-CU] c 76 N88-24543
- TRANSLOCATIONAL MOTION**
Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
- Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
- Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462
- Improved docking alignment system
[NASA-CASE-MSC-21372-1] c 35 N89-12842
- Suspension mechanism and method
[NASA-CASE-LAR-14142-1] c 37 N90-27116
- Connection space reduction mechanism
[NASA-CASE-GSC-13220-1] c 37 N92-29140
- Linear encoding device
[NASA-CASE-GSC-13562-1] c 61 N94-15703
- TRANSLATORS**
Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323
- TRANSLUCENCE**
Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750
- TRANSMISSION CIRCUITS**
Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N85-29118
- TRANSMISSION EFFICIENCY**
Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
- Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334
- Apparatus and method for characterizing the transmission efficiency of a mass spectrometer
[NASA-CASE-NPO-16989-1-CU] c 35 N91-14587
- TRANSMISSION LINES**
Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
- Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
- Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
- Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415
- TRANSMISSION LOSS**
Low-loss, high-isolation, fiber-optic isolator
[NASA-CASE-NPO-17207-1-CU] c 74 N88-25304
- TRANSMISSIONS (MACHINE ELEMENTS)**
Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
- Directional gear ratio transmissions
[NASA-CASE-LAR-12644-1] c 37 N84-28084
- Magnetic drive coupling
[NASA-CASE-MSC-21171-1] c 37 N88-23973
- TRANSMISSIVITY**
Process of making medical clip
[NASA-CASE-LAR-12650-2] c 52 N84-28389
- TRANSMITTANCE**
Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750
- TRANSMITTER RECEIVERS**
Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136
- Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
- Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
- Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524
- Electro-optical spin measurement system
[NASA-CASE-LAR-13629-1] c 09 N91-14356
- TRANSMITTERS**
Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
- Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625

Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486

Apparatus for endoscopic examination --- analysis of the propulsion system configuration and transmitter
[NASA-CASE-NPO-14092-1] c 52 N80-16725

Single frequency multi-transmitter telemetry
[NASA-CASE-LAR-13006-1] c 17 N87-16863

Emergency locating transmitter
[NASA-CASE-GSC-12821-2] c 33 N91-31530

Doppler shift compensation system for laser transmitters and receivers
[NASA-CASE-GSC-13194-1] c 36 N93-18287

TRANSONIC SPEED
Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497

TRANSONIC WIND TUNNELS
Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183

Miniature remote dead weight calibrator
[NASA-CASE-LAR-13564-1] c 35 N87-25558

TRANSPARENCE
Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190

Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932

Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550

Light transmitting window assembly
[NASA-CASE-MSC-18417-1] c 74 N85-29750

Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines
[NASA-CASE-LAR-13353-1] c 27 N86-29039

Process for preparing highly optically transparent/colorless aromatic polyimide film
[NASA-CASE-LAR-13351-1] c 27 N86-31727

Procedure to prepare transparent silica gels
[NASA-CASE-LAR-13476-1-CU] c 76 N87-29360

Method for investigating the formation of crystals in a transparent material
[NASA-CASE-MFS-26008-1-CU] c 76 N88-14835

Single layer multi-color luminescent display
[NASA-CASE-LAR-13616-1] c 74 N91-31950

Purification system
[NASA-CASE-MSC-21584-1] c 25 N92-33029

Aberration correction of unstable resonators
[NASA-CASE-NPO-18791-1-CU] c 35 N94-15987

TRANSPIRATION
Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191

Control and augmentation of passive porosity through transpiration control
[NASA-CASE-LAR-14682-1] c 34 N92-30387

TRANSPONDERS
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391

Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118

Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161

Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912

Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854

Automatic transponder --- measurement of the internal delay time of a transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350

Video processor for air traffic control beacon system
[NASA-CASE-KSC-11155-1] c 04 N86-19304

TRANSPORT VEHICLES
Bidirectional drive and brake mechanism
[NASA-CASE-MSC-21540-1] c 37 N91-32514

TRANSPORTATION
Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383

Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722

TRANSVERSE ACCELERATION
Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152

TRAPPED PARTICLES
Method and apparatus for determining time, direction, and composition of impacting space particles
[NASA-CASE-LAR-13392-1-CU] c 19 N91-14412

TRAPS
Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652

TRAVELING SALESMAN PROBLEM
Electronic neural network for solving traveling salesman and similar global optimization problems
[NASA-CASE-NPO-17807-2-CU] c 63 N94-20360

TRAVELING WAVE AMPLIFIERS

Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088

Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251

Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350

Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N84-16452

TRAVELING WAVE MASERS

Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550

High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831

Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410

TRAVELING WAVE TUBES

Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554

Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339

Multistage depressed collector for dual mode operation --- for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415

Linearized traveling wave amplifier with hard limiter characteristics
[NASA-CASE-LEW-13981-2] c 33 N86-21742

Miniature traveling wave tube and method of making
[NASA-CASE-LEW-14520-1] c 33 N90-22724

TRAVELING WAVES

Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521

TRAYS

Protein crystal growth tray assembly
[NASA-CASE-MFS-28507-1] c 76 N92-34171

TREADMILLS

Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733

Apparatus and method for measuring subject work rate on an exercise device
[NASA-CASE-MSC-21752-1] c 54 N94-20194

TREADS

Tank tread assemblies with track-linking mechanism
[NASA-CASE-NPO-16321-1CU] c 37 N87-17034

TRIGGER CIRCUITS

Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463

Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913

Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244

Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
[NASA-CASE-ARC-10137-1] c 09 N71-28468

SCR lamp driver
[NASA-CASE-GSC-10221-1] c 09 N72-23171

Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859

Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N84-16455

TRIGONOMETRY

Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688

TRIMERS

Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244

Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276

Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307

TRIODES

Triode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898

Textured carbon surfaces on copper by sputtering
[NASA-CASE-LEW-14130-1] c 31 N86-32587

TRITIUM

Method for determining the state of charge of batteries by the use of tracers Patent
[NASA-CASE-XNP-01464] c 03 N71-10728

TROPOPAUSE

CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040

TROPOSPHERE

Atmospheric pressure flow reactor: Gas phase chemical kinetics under tropospheric conditions without wall effects
[NASA-CASE-MSC-21384-1] c 34 N92-16243

Atmospheric pressure flow reactor: Gas phase chemical kinetics under tropospheric conditions without wall effects
[NASA-CASE-MSC-21384-2] c 35 N93-17626

TRUCKS

Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477

Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

TRUSSES

Low mass truss structure
[NASA-CASE-LAR-10546-1] c 11 N72-25287

Lightweight structural columns --- space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258

Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323

Sequentially deployable maneuverable tetrahedral beam
[NASA-CASE-LAR-13098-1] c 31 N86-19479

Shuttle-launch triangular space station
[NASA-CASE-MSC-20676-1] c 18 N86-24729

Synchronously deployable truss structure
[NASA-CASE-LAR-13117-1] c 37 N86-25789

Deployable M-braced truss structure
[NASA-CASE-LAR-13081-1] c 37 N86-32737

Deployable geodesic truss structure
[NASA-CASE-LAR-13113-1] c 31 N87-25492

Preloaded space structural coupling joints
[NASA-CASE-LAR-13489-1] c 18 N87-27713

Mobile remote manipulator system for a tetrahedral truss
[NASA-CASE-MSC-20985-1] c 18 N88-26398

Collet lock joint for space station truss
[NASA-CASE-MSC-21207-1] c 37 N88-29180

Clevis joint for deployable space structures
[NASA-CASE-LAR-13898-1] c 37 N91-15544

Overcenter collet space station truss fastener
[NASA-CASE-MSC-21504-1] c 18 N91-21221

Apparatus for joining trusses
[NASA-CASE-MFS-28545-1] c 31 N91-25306

Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] c 18 N91-27199

Robot-friendly connector --- space truss structures
[NASA-CASE-MSC-21864-1] c 37 N92-23544

Pre-integrated truss space station and method of assembly
[NASA-CASE-MSC-22015-1] c 18 N93-20042

Robot-friendly connector --- space truss structures
[NASA-CASE-MSC-21864-1] c 37 N93-20117

TUBE GRIDS

Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444

TUBE HEAT EXCHANGERS

Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175

Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094

Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736

Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518

TUBES

Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579

Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132

Spiral fluid separator
[NASA-CASE-MFS-28658-1] c 34 N94-20361

TUMBLING MOTION

Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472

TUMORS

Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736

Quantitative method of measuring cancer cell urokinase and metastatic potential
[NASA-CASE-MSC-21715-1] c 51 N94-15967

TUNABLE LASERS

Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943

- Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631
- Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264
- Method and means for generation of tunable laser sidebands in the far-infrared region
[NASA-CASE-NPO-16497-1-CU] c 36 N87-25567
- Isotope separation using tuned laser and electron beam
[NASA-CASE-NPO-16907-1-CU] c 25 N88-24732
- Field induced gap infrared detector
[NASA-CASE-NPO-17526-1-CU] c 35 N91-14588
- Birefringent filter design
[NASA-CASE-LAR-13887-1] c 36 N92-16290
- Doppler shift compensation system for laser transmitters and receivers
[NASA-CASE-GSC-13194-1] c 36 N93-18287
- Tunable CW diode-pumped Tm,Ho:YLF4 laser operating at or near room temperature
[NASA-CASE-NPO-18611-1-CU] c 36 N93-30415

TUNERS

- Display system employing acousto-optic tunable filter
[NASA-CASE-NPO-18736-1-CU] c 74 N94-15933

TUNGSTEN

- Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
- Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197
- Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747
- Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137
- Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
- Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891

TUNGSTEN ALLOYS

- Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
- Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
- Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279

TUNING

- Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
- Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
- Tuned analog network
[NASA-CASE-GSC-12650-1] c 33 N84-14421
- Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N84-22943
- Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947
- Precision tunable resonant microwave cavity
[NASA-CASE-LEW-11935-1] c 33 N87-21234
- Programmable electronic synthesized capacitance
[NASA-CASE-GSC-12961-1] c 33 N87-22895
- Tailorable infrared sensing device with strain layer superlattice structure
[NASA-CASE-NPO-16607-1-CU] c 76 N88-14836
- Birefringent filter design
[NASA-CASE-LAR-13887-1] c 36 N92-16290

TUNNEL DIODES

- Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
- High band gap 2-6 and 3-5 tunneling junctions for silicon multijunction solar cells
[NASA-CASE-NPO-16526-1CU] c 44 N87-17399
- Method for producing edge geometry superconducting tunnel junctions utilizing an NbN/MgO/NbN thin film structure
[NASA-CASE-NPO-17812-2-CU] c 76 N92-22040
- Edge geometry superconducting tunnel junctions utilizing an NbN/MgO/NbN thin film structure
[NASA-CASE-NPO-17812-3-CU] c 76 N92-22041

TUNNELING (EXCAVATION)

- Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272

TUNNELS

- Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540
- Smart tunnel: Docking mechanism
[NASA-CASE-MSC-21360-1] c 18 N91-14374

TURBINE BLADES

- Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
- Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
- High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
- External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
- Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
- Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
- Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
- Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
- Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 37 N84-12493

TURBINE ENGINES

- High speed, self-acting shaft seal --- for use in turbine engines
[NASA-CASE-LEW-11274-1] c 37 N75-21631
- Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
- Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
- Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
- Multi-heat addition turbine engine
[NASA-CASE-LEW-15094-1] c 07 N93-22034

TURBINE PUMPS

- Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
- Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
- Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
- Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
- Rotor self-lubricating axial stop
[NASA-CASE-MFS-28273-1] c 37 N88-23974
- Hybrid bearings for turbopumps and the like
[NASA-CASE-MFS-28491-1] c 37 N93-28326

TURBINE WHEELS

- Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
- Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
- Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116

TURBINES

- Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
- Method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282
- Wingtip vortex turbine
[NASA-CASE-LAR-14116-1] c 05 N91-14345
- Method of reducing drag in aerodynamic systems
[NASA-CASE-LEW-14791-1] c 02 N94-10672

TURBOCOMPRESSORS

- Multi-stage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
- Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
- Combustor liner construction
[NASA-CASE-LEW-14035-1] c 07 N84-24577
- Diesel engine catalytic combustor system --- aircraft engines
[NASA-CASE-LEW-12995-1] c 37 N84-33808

TURBOFAN ENGINES

- Supersonic fan blading --- noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226
- Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418
- Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055

- Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
- Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
- Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884

TURBOFANS

- Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
- Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059

TURBOGENERATORS

- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- Wingtip vortex turbine
[NASA-CASE-LAR-14116-1] c 05 N91-14345

TURBOJET ENGINE CONTROL

- Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116

TURBOJET ENGINES

- Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
- Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
- Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298

TURBOMACHINE BLADES

- Platform for a swing rotor turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658

TURBOMACHINERY

- Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
- Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
- Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 37 N84-22957
- Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N84-23018
- Compliant hydrodynamic fluid journal bearing
[NASA-CASE-LEW-13670-1] c 37 N86-19606
- Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N86-20788
- Turbomachinery shaft insert
[NASA-CASE-MFS-28345-2] c 37 N89-28842

TURBOSHAFTS

- Optical torque-meter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- High speed, self-acting shaft seal --- for use in turbine engines
[NASA-CASE-LEW-11274-1] c 37 N75-21631

TURBULENCE

- Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N91-14562
- Atmospheric pressure flow reactor: Gas phase chemical kinetics under tropospheric conditions without wall effects
[NASA-CASE-MSC-21384-1] c 34 N92-16243
- Probe shapes that measure time-averaged streamwise momentum and cross-stream turbulence intensity
[NASA-CASE-ARC-11934-1] c 34 N94-23077
- Probe systems for measuring static pressure and turbulence intensity in fluid streams
[NASA-CASE-ARC-11935-1] c 34 N94-23306

TURBULENCE EFFECTS

- Hydrodynamic skin-friction reduction
[NASA-CASE-LAR-14078-1-CU] c 34 N90-27071

TURBULENCE METERS

- Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

TURBULENT BOUNDARY LAYER

- Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235
- Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N89-12551
- Swept wing attachment line contamination fence
[NASA-CASE-LAR-13400-1] c 02 N93-22015

TURBULENT FLOW

- Exhaust flow deflector --- for ducted gas flow
[NASA-CASE-LAR-11570-1] c 34 N76-18364
- System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517

- System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
- Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
- Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
- Active thermal isolation for temperature responsive sensors
[NASA-CASE-LAR-14612-1] c 34 N92-29954
- TURNSTILE ANTENNAS**
Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
- Broadband modified turnstile antenna Patent
[NASA-CASE-MSC-12209] c 09 N71-24842
- Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
- Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
- TURRET**
Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182
- TWISTING**
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
- TWO BODY PROBLEM**
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
- TWO DIMENSIONAL BODIES**
Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
- TWO PHASE FLOW**
Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
- Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155
- Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292
- Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
- Method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-2] c 37 N85-29282
- Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N87-22950
- Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-2] c 34 N88-23958
- TYPEWRITERS**
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457

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- U BENDS**
Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
- Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129
- ULCERS**
Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
- Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764
- ULLAGE**
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348
- ULTRAHIGH FREQUENCIES**
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
- Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- ULTRAHIGH VACUUM**
Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
- Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
- Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324

- In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092
- Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability
[NASA-CASE-LAR-13040-1] c 37 N85-29286
- ULTRAPURE METALS**
Apparatus for production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N86-32551
- ULTRASONIC AGITATION**
Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
- ULTRASONIC CLEANING**
Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862
- ULTRASONIC FLAW DETECTION**
Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MSC-19672-1] c 38 N79-14398
- Two-dimensional scanner apparatus --- flaw detector in small flat plates
[NASA-CASE-MFS-25687-1] c 35 N84-22928
- Ultrasonic angle beam standard reflector --- ultrasonic nondestructive inspection
[NASA-CASE-LAR-13153-1] c 71 N86-21276
- Ultrasonic method and apparatus for determining crack opening load
[NASA-CASE-LAR-13889-1] c 39 N88-30160
- ULTRASONIC RADIATION**
Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
- Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771
- Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282
- Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- Acoustic radiation stress measurement
[NASA-CASE-LAR-13440-1] c 71 N87-21653
- Method and apparatus for characterizing reflected ultrasonic pulses
[NASA-CASE-LAR-13966-1] c 71 N91-27914
- Methods of determining loads and fiber orientations in anisotropic non-crystalline materials using energy flux deviation
[NASA-CASE-LAR-14399-1] c 39 N93-26102
- Constant frequency pulsed phase-locked loop measuring device
[NASA-CASE-LAR-13823-1] c 35 N93-29084
- Method and apparatus to characterize ultrasonically reflective contrast agents
[NASA-CASE-LAR-14969-1] c 52 N94-17085
- ULTRASONIC SCANNERS**
Cutting head for ultrasonic lithotripsy
[NASA-CASE-GSC-12944-1] c 52 N86-19885
- Method and apparatus to characterize ultrasonically reflective contrast agents
[NASA-CASE-LAR-14969-1] c 52 N94-17085
- ULTRASONIC TESTS**
Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
- Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
- Method and apparatus for nondestructive testing --- using high frequency arc discharges
[NASA-CASE-MFS-21233-1] c 38 N74-15395
- CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
- Rapid quantification of an internal property --- ultrasonic determination of bladder urine quantity
[NASA-CASE-LAR-13689-1-NP] c 35 N87-23941
- Ultrasonic method and apparatus for determining crack opening load
[NASA-CASE-LAR-13889-1] c 39 N88-30160
- Method of recertifying a loaded bearing member using a phase point
[NASA-CASE-LAR-14741-1] c 39 N94-10671
- ULTRASONIC WAVE TRANSDUCERS**
Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
- Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271
- Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
- Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432

- Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
- CDS solid state phase insensitive ultrasonic transducer --- annealing dadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559
- Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
- Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N84-22932
- Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913
- Ultrasonic depth gauge for liquids under high pressure
[NASA-CASE-LAR-13300-1-CU] c 35 N89-14407
- Rapidly quantifying the relative distention of a human bladder
[NASA-CASE-LAR-13901-2] c 52 N92-11621
- ULTRASONIC WELDING**
Ultrasonically bonded value assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
- ULTRASONICS**
Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
- Pseudo continuous wave instrument --- ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390
- Dual differential interferometer
[NASA-CASE-LAR-12966-1] c 35 N85-30282
- Method for thermal monitoring subcutaneous tissue
[NASA-CASE-LAR-13028-1] c 52 N85-30618
- Ultrasonic depth gauge for liquids under high pressure
[NASA-CASE-LAR-13300-1-CU] c 35 N89-14407
- Method of recertifying a loaded bearing member
[NASA-CASE-LAR-14168-1] c 39 N92-34174
- Rapid detection and quantification of features such as damage or flaws in composite and metallic structures
[NASA-CASE-LAR-14850-1-CU] c 38 N93-17048
- ULTRAVIOLET DETECTORS**
A quality monitor and monitoring technique employing optically stimulated electron emission
[NASA-CASE-LAR-15063-1] c 38 N93-30414
- ULTRAVIOLET FILTERS**
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332
- Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521
- Alkali metal for ultraviolet band-pass filter
[NASA-CASE-NPO-18433-1-CU] c 74 N94-10657
- ULTRAVIOLET LASERS**
Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- ULTRAVIOLET RADIATION**
Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521
- Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
- Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- Transmitting and reflecting diffuser --- for ultraviolet light
[NASA-CASE-LAR-10385-2] c 70 N74-13436
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
- Light shield and cooling apparatus --- high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066
- Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410
- Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- Vitro-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- Purification system
[NASA-CASE-MSC-21584-1] c 25 N92-33029
- A quality monitor and monitoring technique employing optically stimulated electron emission
[NASA-CASE-LAR-15063-1] c 38 N93-30414
- ULTRAVIOLET REFLECTION**
Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
- Ultraviolet light reflective coating
[NASA-CASE-GSC-11786-1] c 24 N76-24363

Transmitting and reflecting diffuser — using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879

ULTRAVIOLET SPECTRA
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428

ULTRAVIOLET SPECTROMETERS
Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699

UMBILICAL CONNECTORS
Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202
Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258
Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259
Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345
Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455
Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450
Deployable flexible tunnel
[NASA-CASE-MFS-22638-1] c 37 N76-22540
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

UMBILICAL TOWERS
Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199

UNDERWATER ENGINEERING
Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135
Underwater seismic source — for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555

UNDERWATER TESTS
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125

UNIFORM FLOW
Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969

UNIONS (CONNECTORS)
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895
Preloaded space structural coupling joints
[NASA-CASE-LAR-13489-1] c 18 N87-27713

UNLOADING
Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516

UNMANNED SPACECRAFT
Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036

UNSATURATION (CHEMISTRY)
Stabilized unsaturated polyesters
[NASA-CASE-NPO-16103-1] c 27 N85-29043

UNSTEADY FLOW
System and method for cancelling expansion waves in a wave rotor
[NASA-CASE-LEW-15218-1] c 34 N94-20588

UP-CONVERTERS
Method and apparatus for quadriphase-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192

UPPER ATMOSPHERE
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376
Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
Microwave limb sounder — measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685

UPPER SURFACE BLOWING
Method and apparatus for detecting laminar flow separation and reattachment
[NASA-CASE-LAR-13952-2-SB] c 34 N91-31596

URANIUM 235
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477

UREAS
Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
Dialysis system — using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
Reverse osmosis membrane of high urea rejection properties — water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452

URETHANES

Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104

URINALYSIS

Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

URINATION

Open type urine receptacle
[NASA-CASE-MSC-12324-1] c 05 N72-22093
Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
Urine collection apparatus — feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740
Rapidly quantifying the relative distention of a human bladder
[NASA-CASE-LAR-13901-2] c 52 N92-11621

URINE

Rapid quantification of an internal property — ultrasonic determination of bladder urine quantity
[NASA-CASE-LAR-13689-1-NP] c 35 N87-23941

UROLOGY

Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711

UTERUS

Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875

V**V GROOVES**

Vee-notching device — with adjustable carriage
[NASA-CASE-MFS-20730-1] c 39 N74-13131
Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
Double-V block fingers with cruciform recess
[NASA-CASE-GSC-13356-1] c 37 N92-24243
Double-V block fingers with cruciform recess
[NASA-CASE-GSC-13356-2] c 37 N93-17625

VACANCIES (CRYSTAL DEFECTS)

Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265

VACUUM

Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460
Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049
Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N85-29283
Non-mechanical optical path switching and its application to dual beam spectroscopy including gas filter correlation radiometry
[NASA-CASE-LAR-14588-1-CU] c 74 N92-29117
Sample positioning in microgravity
[NASA-CASE-NPO-18448-1-CU] c 29 N92-30083
Sample positioning in microgravity
[NASA-CASE-NPO-18448-1-CU] c 29 N93-24600

VACUUM APPARATUS

Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180
Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256
Apparatus for testing polymeric materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607
Trap for preventing diffusion pump backstreaming
[NASA-CASE-GSC-10518-1] c 15 N72-22489
Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226
Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395
Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612

Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
Head for high speed spinner having a vacuum chuck — holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187
Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679
Low temperature storage container for transporting perishables to space station
[NASA-CASE-MFS-28248-1] c 31 N88-24817
Vacuum-isolation vessel and method for measurement of thermal noise in microphones
[NASA-CASE-LAR-14567-1-CU] c 33 N92-33021
Vacuum powder injector and method of impregnating fiber with powder
[NASA-CASE-LAR-14179-1] c 31 N93-26101
Turntable mechanism
[NASA-CASE-MFS-28522-1] c 37 N94-20380

VACUUM CHAMBERS

High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932
Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090
Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484
Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483
Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
Atomic hydrogen storage — cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402
Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426
Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N83-35176
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884
Ion generator and ion application system
[NASA-CASE-MFS-28122-1] c 72 N88-24253
Water window imaging x ray microscope
[NASA-CASE-MFS-28485-1] c 35 N92-29135

VACUUM DEPOSITION

A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647
Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395
Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701
Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214
Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
Diamondlike flakes
[NASA-CASE-LEW-13837-2] c 24 N85-21267

VACUUM EFFECTS

High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285

VACUUM FURNACES

Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900

VACUUM GAGES

Thermopile vacuum gage tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391
In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092

VACUUM MELTING

High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215

VACUUM PUMPS

Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433

VACUUM SPECTROSCOPY

Optical multiple sample vacuum integrating sphere
[NASA-CASE-GSC-12849-1] c 74 N86-26190

VACUUM SYSTEMS

Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482
Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483
Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633

VACUUM TUBES

Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229

VALUE

High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625

VALVES

Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
Multiway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
High pressure air valve Patent
[NASA-CASE-MSC-11010] c 15 N71-19485
Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234
Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
Valve seat
[NASA-CASE-NPO-10606] c 15 N72-25451
Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483
Flow control valve --- for high temperature fluids
[NASA-CASE-NPO-11951-1] c 37 N74-21065
Airclock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
Reciprocating engines
[NASA-CASE-MSC-16239-1] c 37 N81-32510
Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
Moisture content and gas sampling device
[NASA-CASE-MSC-18866-1] c 35 N85-29213
Linear motion valve
[NASA-CASE-MSC-20148-1] c 37 N85-29284
Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-2] c 37 N85-34403
Apparatus for mixing solutions in low gravity environments
[NASA-CASE-MFS-26047-1] c 29 N90-21209
Valve for waste collection and storage
[NASA-CASE-MSC-21025-4] c 54 N91-14723

Method of injecting fluid propellants into a rocket combustion chamber

[NASA-CASE-LEW-14846-2] c 20 N91-26200
Method and apparatus for waste collection and storage
[NASA-CASE-MSC-21025-3] c 54 N91-26747
Thruster sealing system and apparatus
[NASA-CASE-MSC-21898-1] c 37 N93-14702
Valve malfunction detection apparatus
[NASA-CASE-MFS-29904-1] c 35 N93-29503
Check valve with poppet damping mechanism
[NASA-CASE-MSC-21903-1] c 37 N94-10655
Check valve with poppet dashpot/frictional damping mechanism
[NASA-CASE-MSC-21950-1] c 37 N94-10658

VANES

Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040
Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Electrorepulsive actuator
[NASA-CASE-NPO-17684-1-CU] c 33 N92-22042

VAPOR DEPOSITION

A method for the deposition of beta-silicon carbide by isopitaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
Deposition of alloy films --- on irregularly shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270
System for depositing thin films
[NASA-CASE-MFS-20775-1] c 31 N75-12161
Vapor deposition apparatus --- semiconductors and gallium arsenides
[NASA-CASE-HQN-10462] c 25 N75-29192
Chemical vapor deposition reactor --- providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253
Corrosion resistant coating
[NASA-CASE-NPO-15928-1] c 26 N85-29005
Ceramic honeycomb structures and the method thereof
[NASA-CASE-ARC-11652-1] c 27 N87-23737
Preparation of dilute magnetic semiconductor films by metalorganic chemical vapor deposition
[NASA-CASE-NPO-17399-1-CU] c 76 N89-14120
Method of fabricating germanium and gallium arsenide devices
[NASA-CASE-GSC-13265-1] c 76 N91-14066
Macromolecular crystal growing system
[NASA-CASE-MFS-26088-1-CU] c 76 N92-25398
Multiple layer dielectrics, hot film sensors, and methods of producing same
[NASA-CASE-LAR-14591-1] c 35 N93-19493
SiC fiber-reinforced Celsian glass-ceramic matrix composite
[NASA-CASE-LEW-15264-1] c 24 N93-31293
Method of producing a ceramic fiber-reinforced glass-ceramic matrix composite
[NASA-CASE-LEW-15264-2] c 24 N93-31299
Alkali metal for ultraviolet band-pass filter
[NASA-CASE-NPO-18433-1-CU] c 74 N94-10657
Method of producing a silicon carbide fiber reinforced strontium aluminosilicate glass-ceramic matrix composite
[NASA-CASE-LEW-15263-2] c 24 N94-15929

VAPOR PHASES

Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
Pumped two-phase heat transfer loop
[NASA-CASE-MSC-20841-1] c 34 N87-22950

Atmospheric pressure flow reactor: Gas phase chemical kinetics under tropospheric conditions without wall effects

[NASA-CASE-MSC-21384-1] c 34 N92-16243

VAPOR PRESSURE

Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247
Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

VAPOR TRAPS

Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483

VAPORIZERS

Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
Continuous laminar smoke generator
[NASA-CASE-LAR-13014-1] c 09 N85-21178

VAPORIZING

Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
Hypervelocity impact shield
[NASA-CASE-MSC-21420-1] c 18 N92-15114
Vaporizing particle velocimeter
[NASA-CASE-LAR-14685-1] c 02 N92-34172

VAPORS

Method of evaporation
[NASA-CASE-NPO-15609-2] c 25 N88-23846
Drop deployment system for crystal growth apparatus
[NASA-CASE-MFS-28422-1] c 29 N91-17250
Geometrical vapor blocker for parallel condensation tubes requiring cooling
[NASA-CASE-MSC-22090-1] c 34 N94-15962

VARACTOR DIODE CIRCUITS

Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429

VARACTOR DIODES

Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660
Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
Planar varactor frequency multiplier devices with blocking barrier
[NASA-CASE-NPO-18428-1-CU] c 33 N92-23464
Planar varactor frequency multiplier devices with blocking barrier
[NASA-CASE-NPO-18428-1-CU] c 33 N94-23821

VARIABLE

Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N83-26078
Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N84-22551

VARIABLE CYCLE ENGINES

Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067

VARIABLE GEOMETRY STRUCTURES

Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

VARIABLE PITCH PROPELLERS

Dual output variable pitch turboprop actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468

VARIABLE SWEEP WINGS

Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011
Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005

VARIABLE THRUST

VARIABLE THRUST

- Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802
Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055

VARIATIONS

- Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744

VECTOR ANALYSIS

- Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439

VECTOR CURRENTS

- Preloadable vector sensitive latch
[NASA-CASE-MS-C-20910-1] c 37 N87-25582

VECTOCARDIOGRAPHY

- Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189

VECTORS (MATHEMATICS)

- Method and apparatus for second-rank tensor generation
[NASA-CASE-NPO-17512-1-CU] c 74 N91-26918

VEGETATION GROWTH

- Rotary plant growth accelerating apparatus — weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503
Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529
Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
Slow-release fertilizer
[NASA-CASE-MS-C-21953-1-NP] c 37 N93-17271
Active synthetic soil
[NASA-CASE-MS-C-21954-1-NP] c 51 N93-19054

VEHICLE WHEELS

- Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091
Omnidirectional wheel
[NASA-CASE-MFS-21309-1] c 37 N74-18125
Two speed drive system — mechanical device for changing speed on rotating vehicle wheel
[NASA-CASE-MFS-20645-1] c 37 N74-23070
Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443
Suspension system for a wheel rolling on a flat track — bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587

VEHICLES

- Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424

VEHICULAR TRACKS

- Suspension system for a wheel rolling on a flat track — bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
Tank tread assemblies with track-linking mechanism
[NASA-CASE-NPO-16321-1CU] c 37 N87-17034

VELOCITY

- Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895

VELOCITY COUPLING

- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568

VELOCITY MEASUREMENT

- Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990
Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
Doppler shift system — system for measuring velocities of radiating particles
[NASA-CASE-HQN-10740-1] c 72 N74-19310
Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436

- Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396

- Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359

- Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036

- Fluidic angular velocity sensor
[NASA-CASE-NPO-16479-1CU] c 35 N86-32695

- Spinning disk calibration method and apparatus for laser Doppler velocimeter
[NASA-CASE-ARC-11510-1] c 35 N86-32697

- Laser velocimeter for near-surface measurements
[NASA-CASE-ARC-11917-1] c 35 N91-15520

- Vaporizing particle velocimeter
[NASA-CASE-LAR-14685-1] c 02 N92-34172

VELOCITY MODULATION

- Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777

- Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627

VENTILATION

- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679

- Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

- Ballast system for maintaining constant pressure in a glove box
[NASA-CASE-NPO-17786-1-CU] c 35 N90-17104

VENTILATORS

- Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761

VENTING

- Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247

- Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646

- Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234

- Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333

- Solid propellant rocket motor
[NASA-CASE-XNP-03282] c 28 N72-20758

- Passive venting technique for shallow cavities
[NASA-CASE-LAR-14031-1] c 05 N90-20079

- System for venting gas from a liquid storage tank
[NASA-CASE-MS-C-21253-1] c 31 N90-20254

- Passive venting technique for shallow cavities
[NASA-CASE-LAR-13875-1] c 05 N91-27156

VENTS

- Parachute having improved vent line stacking
[NASA-CASE-MFS-28508-1] c 02 N94-11021

VENTURI TUBES

- Liquid seeding atomizer
[NASA-CASE-ARC-11631-1] c 34 N87-21255

VENUS (PLANET)

- Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675

VERTICAL FLIGHT

- Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157

VERTICAL LANDING

- Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589

VERTICAL ORIENTATION

- Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 37 N84-12493

VERTICAL TAKEOFF AIRCRAFT

- Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422

- Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570

VERY HIGH FREQUENCIES

- VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614

VERY LARGE SCALE INTEGRATION

- Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187

- Method of examining microcircuit patterns
[NASA-CASE-NPO-16299-1] c 33 N87-14594

- Systolic VLSI array for implementing the Kalman filter algorithm
[NASA-CASE-NPO-17108-1-CU] c 33 N89-28713

- VLSI single-chip (255,223) Reed-Solomon encoder with interleaver
[NASA-CASE-NPO-17280-1-CU] c 17 N90-21061

- VLSI binary updown counter
[NASA-CASE-NPO-17205-1-CU] c 60 N90-21525

- Network of dedicated processors for finding lowest-cost map path
[NASA-CASE-NPO-17716-1-CU] c 62 N92-15620

- Nonvolatile programmable neural network synaptic array
[NASA-CASE-NPO-18578-1-CU] c 33 N92-30086

- VLSI architecture for a Reed-Solomon decoder
[NASA-CASE-NPO-17897-1-CU] c 33 N92-33011

- Cascaded VLSI neural network architecture for on-line learning
[NASA-CASE-NPO-18645-1-CU] c 63 N92-34240

- Leak detection utilizing analog binaural (VLSI) techniques
[NASA-CASE-NPO-18399-1-CU] c 33 N94-17323

- VERY LONG BASE INTERFEROMETRY
System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603

VESTS

- Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493

VIBRATION

- Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694

- Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169

- Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N84-34913

- Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1-CU] c 35 N86-20752

- Suspension mechanism and method
[NASA-CASE-LAR-14142-1] c 37 N90-27116

- Accelerometer method and apparatus for integral display and control functions
[NASA-CASE-MS-C-21961-1] c 35 N92-29952

- Dynamic tester for rotor seals and bearings
[NASA-CASE-MFS-28493-1] c 09 N94-10669

VIBRATION DAMPING

- Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626

- Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034

- Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154

- Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583

- Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 37 N85-30333

- Variable friction secondary seal for face seals
[NASA-CASE-LEW-14170-1] c 37 N86-25790

- Tensile film clamps and mounting block for the rheovibron and autovibron viscoelastometer
[NASA-CASE-LAR-13696-1] c 37 N90-20409

- Noncircular rolling joints for vibrational reduction in slewing maneuvers
[NASA-CASE-LAR-14515-1-CU] c 37 N92-33031

- Linear mass actuator
[NASA-CASE-LAR-14352-1] c 37 N92-34173

- Method and apparatus for minimizing multiple degree of freedom vibration transmission between two regions of a structure
[NASA-CASE-LAR-14508-1-CU] c 39 N93-13420

- Dynamic tester for rotor seals and bearings
[NASA-CASE-MFS-28493-1] c 09 N94-10669

- Superconductive material and magnetic field for damping and levitation support and damping of cryogenic instruments
[NASA-CASE-NPO-18458-1-CU] c 35 N94-15875

VIBRATION EFFECTS

- Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830

- Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514

- Spherical bearing — to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404

- Self-locking double retention redundant full pin release
[NASA-CASE-NPO-16233-1] c 37 N86-20801

VIBRATION ISOLATORS

- Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486

- Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156

- Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673

- Hermetic sealed vibration damper Patent
[NASA-CASE-MS-C-10959] c 15 N71-26243

- Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006

- Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391

- Thrust-isolating mounting — characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397

- Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573

Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221

Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549

Decoupler pylon: wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373

Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-32026

Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947

Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 37 N85-30333

Segmented tubular cushion springs and spring assembly
[NASA-CASE-ARC-11349-1] c 37 N86-20797

Vacuum-isolation vessel and method for measurement of thermal noise in microphones
[NASA-CASE-LAR-14567-1-CU] c 33 N92-33021

VIBRATION MEASUREMENT

Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440

Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329

Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371

Emitted vibration measurement device and method
[NASA-CASE-MFS-25981-1] c 35 N87-14670

Vibration analyzer
[NASA-CASE-MSC-21408-1] c 37 N91-14607

Smart accelerometer --- vibration damage detection
[NASA-CASE-MSC-21951-1] c 35 N92-23545

Acceleration recorder and playback module
[NASA-CASE-MSC-22008-1] c 35 N93-17077

Remote tire pressure sensing technique
[NASA-CASE-LAR-14160-1] c 35 N94-15884

VIBRATION METERS

Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616

Ride quality meter
[NASA-CASE-LAR-12882-1] c 35 N84-12445

Smart accelerometer --- vibration damage detection
[NASA-CASE-MSC-21951-1] c 35 N92-23545

VIBRATION MODE

Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253

VIBRATION SIMULATORS

Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416

VIBRATION TESTS

Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185

Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412

Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416

Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421

Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503

VIBRATIONAL SPECTRA

Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006

VIDEO COMMUNICATION

Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281

Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026

Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102

Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328

Deployable video conference table
[NASA-CASE-ARC-11950-1] c 09 N94-23310

VIDEO COMPRESSION

Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328

VIDEO DATA

Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807

Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866

Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081

Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431

Neighborhood comparison operator
[NASA-CASE-NPO-16464-1CU] c 60 N86-24224

VIDEO EQUIPMENT

Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742

Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865

Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102

Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341

Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156

Electronic video editor
[NASA-CASE-KSC-10003] c 10 N73-12325

Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076

Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391

Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656

Reconfigurable work station for a video display unit and keyboard
[NASA-CASE-MFS-26009-1-SB] c 54 N88-24163

Programmable pipelined image processor
[NASA-CASE-NPO-16461-1CU] c 60 N89-26400

Composite video and graphics display for camera viewing systems in robotics and teleoperation
[NASA-CASE-NPO-17836-1-CU] c 32 N93-18284

Method of encouraging attention by correlating video game difficulty with attention level
[NASA-CASE-LAR-15022-1] c 53 N93-28128

VIDEO SIGNALS

Programmable scan/read circuitry for charge coupled device imaging detectors --- spacecraft attitude control and star trackers
[NASA-CASE-NPO-15345-1] c 74 N84-23247

Television camera video level control system
[NASA-CASE-MSC-18578-1] c 32 N85-21427

Large TV display system
[NASA-CASE-NPO-16932-1CU] c 33 N87-15413

Method and apparatus for telemetry adaptive bandwidth compression
[NASA-CASE-MSC-20821-1] c 17 N87-25348

Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-1] c 32 N91-13598

Real-time data compression of broadcast video signals
[NASA-CASE-LEW-14945-2] c 32 N92-10128

Picture data compression coder using subband/transform coding with a Lempel-Ziv-based coder
[NASA-CASE-LEW-15700-1] c 82 N93-28130

Display system employing acousto-optic tunable filter
[NASA-CASE-NPO-18736-1-CU] c 74 N94-15933

VIDEO TAPE RECORDERS

Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866

Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076

Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391

VIDEO TAPES

Generation of animation sequences of three dimensional models
[NASA-CASE-MSC-21379-1-SB] c 61 N90-27340

VIDICONS

Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189

Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036

VIEWING

Real-time 3-D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N84-11920

Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N87-14355

Stereoscopic camera and viewing systems with undistorted depth presentation and reduced or eliminated erroneous acceleration and deceleration perceptions, or with perceptions produced or enhanced for special effects
[NASA-CASE-NPO-18028-1-CU] c 74 N92-16809

Polarization perception device
[NASA-CASE-MSC-21915-1] c 74 N92-30027

VINYL COPOLYMERS

Copolymers of vinyl styrylpyridines or vinyl stilbazoles with bismaleimide
[NASA-CASE-ARC-11429-1-CU] c 27 N86-20560

Vinyl stilbazoles
[NASA-CASE-ARC-11429-3CU] c 27 N87-16908

Structural panels
[NASA-CASE-ARC-11429-2-CU] c 27 N87-22845

VINYL POLYMERS

Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698

Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256

Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358

Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438

VINYLDIENE

Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500

VIRTUAL REALITY

Virtual reality flight control display with six-degree-of-freedom controller and spherical orientation overlay
[NASA-CASE-NPO-18733-1-CU] c 06 N93-30416

VIRUSES

Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693

VISCOELASTICITY

Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161

Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429

Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573

Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104

Tensile film clamps and mounting block for the rheovibron and autovibron viscoelastometer
[NASA-CASE-LAR-13696-1] c 37 N90-20409

Composite passive damping struts for large precision structures
[NASA-CASE-NPO-17914-1-CU] c 39 N93-24596

VISCOMETERS

Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584

Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429

VISCOSITY

Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124

Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357

Process of end-capping a polyimide system
[NASA-CASE-LAR-13135-1] c 27 N86-19456

A tough performance simultaneous semi-interpenetrating polymer network
[NASA-CASE-LAR-14339-1] c 27 N90-26955

Polyimide processing additives
[NASA-CASE-LAR-13669-2] c 27 N94-23079

VISCOUS DAMPING

Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486

Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894

Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626

Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360

VISIBILITY

Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748

Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673

EMU helmet mounted display
[NASA-CASE-MSC-21460-1] c 54 N91-13879

VISIBLE SPECTRUM

Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059

VISION

Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117

VISORS

Anti-fog composition --- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834

VISUAL ACUITY

Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759

VISUAL AIDS

Visual aid for the hearing impaired
[NASA-CASE-GSC-13027-1-CU] c 35 N91-27522

VISUAL CONTROL

Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059

VISUAL FIELDS

Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882
Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-1] c 09 N84-12193

VISUAL OBSERVATION

Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396

VISUAL PERCEPTION

Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
Aircraft control position indicator
[NASA-CASE-LAR-12984-1] c 06 N87-22678
Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-2] c 52 N89-16256

VISUAL STIMULI

Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114

VITERBI DECODERS

Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240

VOICE COMMUNICATION

Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
Protective suit having an audio transceiver Patent
[NASA-CASE-KSC-10164] c 07 N71-33108
Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c 32 N74-27612
Filtering device --- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366
Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448

VOICE DATA PROCESSING

Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524
Method and apparatus for operating on companded PCM voice data
[NASA-CASE-KSC-11285-1] c 32 N86-27513

VOIDS

Wet spinning of solid polyamic acid fibers
[NASA-CASE-LAR-14162-1] c 27 N90-15259
Thermal treatment of silicon integrated circuit chips to prevent and heal voids in aluminum metallization
[NASA-CASE-NPO-17678-1-CU] c 76 N91-28014
Method and apparatus for evaluating multilayer objects for imperfections
[NASA-CASE-LAR-14581-1-SB] c 38 N93-12204

VOLATILITY

Apparatus for testing polymeric materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607

VOLT-AMPERE CHARACTERISTICS

Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578
The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193

VOLTAGE AMPLIFIERS

Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200
Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286
Arc lamp power supply using a voltage multiplier
[NASA-CASE-LAR-13202-1] c 33 N88-23942

Cascaded transformerless DC-DC voltage amplifier with optically isolated switching devices
[NASA-CASE-NPO-17994-1-CU] c 33 N93-18278

VOLTAGE CONTROLLED OSCILLATORS

Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626
Automatic oscillator frequency control system
[NASA-CASE-GSC-12804-1] c 33 N86-20668
Radio Frequency (RF) strain monitor
[NASA-CASE-LAR-13705-1] c 39 N88-25011
Dual physiological rate measurement instrument
[NASA-CASE-MSC-20078-3] c 52 N91-14709

VOLTAGE CONVERTERS (DC TO DC)

Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428
Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341
Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393
Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453
Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N84-33663
Microprocessor control of multiple peak power tracking DC/DC converters for use with solar cell arrays
[NASA-CASE-GSC-13450-1] c 44 N92-23463
Forback DC-to-DC converter
[NASA-CASE-GSC-13404-1] c 33 N94-15874

VOLTAGE GENERATORS

Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342
Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953

VOLTAGE REGULATORS

Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986
Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085
Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157
Switching regulator
[NASA-CASE-LEW-11005-1] c 09 N72-21243

Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049
Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
Low distortion automatic phase control circuit --- voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885
Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521
Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
Voltage regulator for battery power source --- using a bipolar transistor
[NASA-CASE-FRC-10116-1] c 33 N79-23345
Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392
Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N84-22885
High voltage isolation transformer
[NASA-CASE-GSC-12817-1] c 33 N85-29146

VOLTMETERS

Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521

VOLUME

Mining volume measurement system
[NASA-CASE-LAR-13519-1] c 35 N88-23963
Volumetric measurement of tank volume
[NASA-CASE-MSC-21500-1] c 35 N91-21493

VOLUMETRIC ANALYSIS

Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307

VOMITING

Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333

VORTEX ALLEVIATION

Underwing compression vortex attenuation device
[NASA-CASE-LAR-14744-1] c 02 N94-10673

VORTEX BREAKDOWN

Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001
Underwing compression vortex attenuation device
[NASA-CASE-LAR-14744-1] c 02 N94-10673

VORTEX FLAPS

Underwing compression vortex attenuation device
[NASA-CASE-LAR-14744-1] c 02 N94-10673

VORTEX GENERATORS

Multway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423
Vortex generating flow passage design for increased film cooling effectiveness
[NASA-CASE-LEW-14039-1] c 34 N85-33433
Wingtip vortex propeller
[NASA-CASE-LAR-13019-1] c 07 N85-35194

VORTICES

Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108
Vortex motion phase separator for zero gravity liquid transfer
[NASA-CASE-KSC-11387-1] c 29 N90-20236
Wingtip vortex turbine
[NASA-CASE-LAR-14116-1] c 05 N91-14345
Method of measuring cross-flow vortices by use of an array of hot-film sensors
[NASA-CASE-LAR-14824-1-SB] c 34 N93-26000
Underwing compression vortex attenuation device
[NASA-CASE-LAR-14744-1] c 02 N94-10673

VORTICITY

Crossflow vorticity sensor
[NASA-CASE-LAR-13436-1-CU] c 02 N88-23759
Passive laminar flow control of crossflow vorticity
[NASA-CASE-LAR-13563-1] c 34 N91-23410

VULCANIZING

Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124

VULNERABILITY

Pressure rig for repetitive casting
[NASA-CASE-LAR-14050-1] c 31 N90-21216

WAFERS

- Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
- Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950
- System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
- Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780
- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
- High voltage v-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N83-32177
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884
- Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N84-33765
- Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 76 N84-35112
- Process and apparatus for growing a crystal ribbon
[NASA-CASE-NPO-15629-1] c 76 N84-35113
- Ingot slicing machine and method
[NASA-CASE-NPO-15483-1] c 37 N85-21650
- Lithium counterdoped silicon solar cell
[NASA-CASE-LEW-14177-1] c 44 N86-32875
- Cross-contact chain
[NASA-CASE-NPO-16784-1] c 33 N87-10231
- Floating emitter solar cell
[NASA-CASE-NPO-16467-1-CU] c 33 N87-23879
- Optical shutter switching matrix
[NASA-CASE-KSC-11392-1] c 74 N90-22383
- Method of fabricating germanium and gallium arsenide devices
[NASA-CASE-GSC-13265-1] c 76 N91-14066
- Process for the controlled growth of single-crystal films of silicon carbide polytypes on silicon carbide wafers
[NASA-CASE-LEW-15222-1] c 76 N91-26966
- Quantum well, beam deflecting surface emitting lasers
[NASA-CASE-NPO-18243-1-CU] c 36 N93-13418
- Process for the homoepitaxial growth of single-crystal silicon carbide films on silicon carbide wafers
[NASA-CASE-LEW-15223-1] c 76 N94-20381
- WAKES**
- Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679
- WALKING**
- Drop foot corrective device
[NASA-CASE-LAR-12259-2] c 54 N86-22112
- Compliant walker
[NASA-CASE-GSC-13348-2] c 52 N93-14708
- WALKING MACHINES**
- Space spider crane
[NASA-CASE-LAR-13411-1-SB] c 18 N88-23828
- WALL FLOW**
- Atmospheric pressure flow reactor: Gas phase chemical kinetics under tropospheric conditions without wall effects
[NASA-CASE-MSC-21384-1] c 34 N92-16243
- WALL TEMPERATURE**
- Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- Structural heat pipe --- for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N83-27144
- WALLS**
- Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
- Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 25 N85-21279
- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- Sound attenuation apparatus
[NASA-CASE-LAR-13968-1] c 71 N91-27913
- Pressure wall patch
[NASA-CASE-MFS-28724-1] c 18 N93-17061

- Radial spline assembly for antifriction bearings
[NASA-CASE-MFS-28629-1] c 37 N93-26001
- Pressure wall patch
[NASA-CASE-MFS-28724-1] c 18 N94-23824
- WARNING SYSTEMS**
- Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
- Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
- Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
- Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
- Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
- Display research collision warning system
[NASA-CASE-HON-10703] c 21 N73-13643
- System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
- Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
- Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641
- Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090
- Hearing aid malfunction detection system
[NASA-CASE-MSC-14916-1] c 33 N78-10375
- Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
- Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
- Scanning seismic intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N83-34272
- Rapidly quantifying the relative distention of a human bladder
[NASA-CASE-LAR-13901-1-NP] c 52 N90-21519
- Computer access security code system
[NASA-CASE-NPO-17525-1-CU] c 60 N90-25583
- Visual aid for the hearing impaired
[NASA-CASE-GSC-13027-1-CU] c 35 N91-27522
- Rapidly quantifying the relative distention of a human bladder
[NASA-CASE-LAR-13901-2] c 52 N92-11621
- Valve malfunction detection apparatus
[NASA-CASE-MFS-29904-1] c 35 N93-29503
- WASHING**
- Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N83-34039
- Method and apparatus for cleaning rubber deposits from airport runways and roadways
[NASA-CASE-LAR-14483-1] c 31 N93-22035
- WASTE DISPOSAL**
- Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192
- Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
- Reduced gravity fecal collector seat and urinal
[NASA-CASE-MFS-22102-1] c 54 N74-20725
- Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136
- Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
- Automatic biowaste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
- Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 54 N84-11758
- Improved method and apparatus for waste collection and storage
[NASA-CASE-MSC-21025-1] c 31 N87-25495
- Valve for waste collection and storage
[NASA-CASE-MSC-21025-4] c 54 N91-14723
- Method for waste collection and storage
[NASA-CASE-MSC-21025-2] c 54 N91-14724
- Method and apparatus for waste collection and storage
[NASA-CASE-MSC-21025-3] c 54 N91-26747
- Sharps container
[NASA-CASE-MSC-21776-1] c 31 N92-33612
- Space Station trash removal system
[NASA-CASE-MSC-21723-1] c 18 N94-20367
- WASTE ENERGY UTILIZATION**
- Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776
- Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029

- Method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-2] c 07 N86-20389
- WASTE HEAT**
- Thermal control system --- removing waste heat from industrial process spacecraft
[NASA-CASE-GSC-12771-1] c 34 N84-14461
- Lunar radiator shade
[NASA-CASE-MSC-21868-1] c 54 N92-21589
- WASTE UTILIZATION**
- Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584
- WASTE WATER**
- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
- Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654
- Combined air and water pollution control system
[NASA-CASE-NST-00007-1] c 45 N91-14662
- WASTES**
- Sharps container
[NASA-CASE-MSC-21776-1] c 31 N92-33612
- WATER**
- High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
- Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
- Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
- Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
- Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470
- Biofilm monitoring coupon system and method of use
[NASA-CASE-MSC-21585-1] c 51 N91-31755
- Water window imaging x ray microscope
[NASA-CASE-MFS-28485-1] c 35 N92-29135
- Purification system
[NASA-CASE-MSC-21584-1] c 25 N92-33029
- Method and apparatus for cleaning rubber deposits from airport runways and roadways
[NASA-CASE-LAR-14483-1] c 31 N93-22035
- WATER FLOW**
- Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779
- Self-contained, single-use hose and tubing cleaning module
[NASA-CASE-MSC-20857-1] c 37 N87-17035
- WATER INJECTION**
- Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284
- WATER LANDING**
- Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
- Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859
- WATER MANAGEMENT**
- Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
- Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701
- WATER POLLUTION**
- Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
- Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
- Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067
- Combined air and water pollution control system
[NASA-CASE-NST-00007-1] c 45 N91-14662
- WATER QUALITY**
- Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-16841-1] c 34 N79-24285
- Rapid, quantitative determination of bacteria in water --- adenosine triphosphate
[NASA-CASE-GSC-12158-1] c 51 N83-27569
- Method for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N83-28849
- WATER RECLAMATION**
- Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207

- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
- Whole body cleaning agent containing N-acyltaurate
[NASA-CASE-MSC-21589-1] c 54 N92-29137

WATER RESOURCES

- Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498

WATER SPLITTING

- Static feed water electrolysis subsystem development
[NASA-CASE-MSC-21577-1-SB] c 25 N91-23271
- Water electrolysis
[NASA-CASE-MSC-21572-1-SB] c 25 N92-28756

WATER TEMPERATURE

- Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598

WATER TREATMENT

- Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
- Method of preparing water purification membranes — polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087

- Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784

- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693

- Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584

- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747

- Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579

- Reverse osmosis membrane of high urea rejection properties — water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452

- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076

- Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634

- Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10] c 45 N84-12654

- Combined air and water pollution control system
[NASA-CASE-NST-00007-1] c 45 N91-14662

- Purification system
[NASA-CASE-MSC-21584-1] c 25 N92-33029

- Regenerable biocide delivery unit
[NASA-CASE-MSC-21763-1-SB] c 51 N93-18351

- Ion exchange polymers and method for making
[NASA-CASE-LEW-15576-1] c 27 N93-31316

WATER VAPOR

- Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741

- Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280

- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-2] c 36 N83-29681

- Wet atmospheric generation apparatus
[NASA-CASE-MFS-28177-1] c 35 N91-21496

WATER WAVES

- Surface roughness measuring system — synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391

- Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667

WATERPROOFING

- Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063

- Elevated waterproof access floor system and method of making the same
[NASA-CASE-ARC-11363-1] c 31 N87-16918

WATERWAVE ENERGY CONVERSION

- Natural turbulence electrical power generator — using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834

WAVE AMPLIFICATION

- Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919

WAVE DIFFRACTION

- Diffractoid grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140

WAVE FRONT RECONSTRUCTION

- Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567

WAVE FRONTS

- Feedback controlled optics with wavefront compensation
[NASA-CASE-NPO-18194-1-CU] c 74 N94-20305

WAVE GENERATION

- Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287

- Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675

- Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365

- Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223

- Material suspension within an acoustically excited resonant chamber — at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774

- Vibrating-chamber levitation systems
[NASA-CASE-NPO-16142-1-CU] c 35 N86-20752

WAVE INTERACTION

- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568

WAVE PROPAGATION

- Double reference pulsed phase locked loop
[NASA-CASE-LAR-13310-1] c 32 N87-14559

WAVE REFLECTION

- Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822

- Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965

WAVE RESISTANCE

- Reactanceless synthesized impedance bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N85-29145

WAVE SCATTERING

- Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662

- Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327

- Tissue simulating gel for medical research
[NASA-CASE-LAR-14036-1] c 27 N91-13562

WAVEFORMS

- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995

- Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659

- Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862

- Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257

- Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240

- Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249

- Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

- Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337

- Measurement of waves in flows across a surface
[NASA-CASE-NPO-17479-1-CU] c 34 N91-13658

WAVEGUIDE ANTENNAS

- Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148

WAVEGUIDE FILTERS

- High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606

WAVEGUIDE WINDOWS

- Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808

WAVEGUIDES

- Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676

- Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550

- Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065

- Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141

- Active microwave irises and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170

- Thin film microwave iris
[NASA-CASE-LAR-10511-1] c 09 N72-29172

- Resonant waveguide stark cell — using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245

- Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428

- Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372

- Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605

- Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187

- Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568

- Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085

- Universal nondestructive mm-wave integrated circuit test fixture
[NASA-CASE-LEW-14746-1] c 33 N91-14552

- Method for non-destructive estimation of waveguide directional coupler dimensions
[NASA-CASE-NPO-18454-1-CU] c 33 N93-18285

WAVELENGTH DIVISION MULTIPLEXING

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- Method and apparatus for wavelength tuning of liquid lasers
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- Optical systems having spatially invariant outputs
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- Two color horizon sensor
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- Monitoring deposition of films
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- Dual wavelength scanning Doppler velocimeter — without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783

- Atomic infrared gasdynamic laser — for producing different wavelengths
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- Fluorescent radiation converter
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- Acoustic levitation methods and apparatus
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- Extended range X-ray telescope
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- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680

- Acoustic suspension system
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- Dual wavelength holographic interferometry system
[NASA-CASE-MFS-28242-1] c 35 N89-26202

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- Refractory coatings
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- Three-grid accelerator system for an ion propulsion engine
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- Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

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- Pretreatment of lubricated surfaces with sputtered cadmium oxide
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- Weatherproof helix antenna Patent
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- Method and apparatus for three dimensional braiding
[NASA-CASE-LAR-14047-1] c 31 N93-19038

- Method and apparatus for weaving a woven angle ply fabric
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- Method and apparatus for measuring web material wound on a reel
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- Instrumentation for sensing moisture content of material using a transient thermal pulse
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Device for mechanically stabilizing web ribbon buttons during growth initiation
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[NASA-CASE-LAR-10193-1] c 15 N71-27146
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[NASA-CASE-XMS-01546] c 14 N70-40233
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[NASA-CASE-XNP-01390] c 28 N70-41275
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[NASA-CASE-XLA-03213] c 05 N71-11207
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[NASA-CASE-XLE-00586] c 15 N71-15968
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[NASA-CASE-ARC-10100-1] c 05 N71-24738
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[NASA-CASE-XMF-09902] c 15 N72-11387
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[NASA-CASE-LAR-11726-1] c 37 N76-27568
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[NASA-CASE-MFS-25807-2] c 37 N86-21850
Apparatus and method for explosive bonding to edge of flyer plate
[NASA-CASE-LAR-14096-1] c 31 N91-31476

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[NASA-CASE-MSC-19095-1] c 37 N75-19683
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[NASA-CASE-MSC-19372-1] c 39 N76-31562
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[NASA-CASE-LAR-11549-1] c 37 N77-11397
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[NASA-CASE-LAR-11549-1] c 37 N77-11397
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Method of repairing hidden leaks in tubes
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Alignment and assembly tool for very large diameter cylinders
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[NASA-CASE-XMF-03287] c 15 N71-15607
Automatic welding speed controller Patent
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Electric welding torch Patent
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Instrumentation for sensing moisture content of material using a transient thermal pulse
[NAS 1.71:NPO-15494-2] c 35 N85-34373
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[NASA-CASE-LAR-14579-1] c 35 N92-29097

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[NASA-CASE-MSC-20475-1] c 37 N87-17037
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WIND DIRECTION

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- Viscous pendulum damper Patent
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- CAT altitude avoidance system
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- Wind tunnel airstream oscillating apparatus Patent
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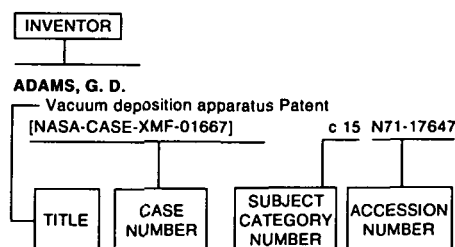
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[NASA-CASE-LAR-14457-1] c 27 N93-25997

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[NASA-CASE-XNP-06028] c 09 N71-23189

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[NASA-CASE-LAR-11973-1] c 35 N78-27384

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[NASA-CASE-LAR-13100-1] c 37 N87-23982

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[NASA-CASE-LEW-12164-1] c 36 N77-32478

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[NASA-CASE-LAR-13286-1] c 02 N88-14071

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[NASA-CASE-XMF-00148] c 28 N70-38710

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[NASA-CASE-XLE-00011] c 14 N70-41946

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[NASA-CASE-XLE-04603] c 33 N71-21507

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[NASA-CASE-LAR-10782-1] c 31 N74-14133

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[NASA-CASE-LAR-10489-1] c 31 N74-18124

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[NASA-CASE-XLA-11028-1] c 24 N74-27035

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[NASA-CASE-LAR-10489-2] c 31 N74-32920

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[NASA-CASE-MFS-23062-1] c 37 N77-12402

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[NASA-CASE-MFS-23830-1] c 44 N82-24639

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[NASA-CASE-ARC-10448-2] c 74 N75-12732

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[NASA-CASE-MFS-15429-1] c 18 N84-22609

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[NASA-CASE-MFS-28008-1] c 35 N85-20300

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[NASA-CASE-NPO-17282-1-CU] c 36 N91-15528
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[NASA-CASE-NPO-18702-1-CU] c 74 N92-23551
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[NASA-CASE-LAR-10409-1] c 31 N74-21059

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[NASA-CASE-XGS-03865] c 14 N69-21363
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[NASA-CASE-NPO-17074-2-CU] c 76 N92-21499

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[NASA-CASE-GSC-12150-1] c 32 N79-11265

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[NASA-CASE-LAR-13316-2] c 27 N87-14515

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[NASA-CASE-LAR-13118-2] c 27 N87-16907

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[NASA-CASE-LAR-13444-1-CU] c 27 N87-22847

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[NASA-CASE-LAR-13988-1] c 23 N89-11814

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[NASA-CASE-LAR-14188-1] c 27 N90-23545

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[NASA-CASE-LAR-14188-2] c 23 N91-14419

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[NASA-CASE-LAR-13910-2-CU] c 27 N91-31307

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[NASA-CASE-LAR-14145-1] c 27 N92-28751

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[NASA-CASE-LAR-14427-1] c 23 N92-29141

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[NASA-CASE-LAR-14643-1] c 27 N92-29953

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[NASA-CASE-LAR-14159-1-CU] c 27 N92-31792

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[NASA-CASE-LAR-14001-1] c 27 N92-33008

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[NASA-CASE-LAR-14796-1] c 25 N93-31459

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[NASA-CASE-LAR-14440-2] c 27 N94-23075

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[NASA-CASE-LAR-12465-1] c 33 N82-26572

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[NASA-CASE-LAR-13705-1] c 39 N88-25011

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[NASA-CASE-LAR-13508-1] c 35 N92-21710

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[NASA-CASE-LAR-14559-1] c 38 N92-29829

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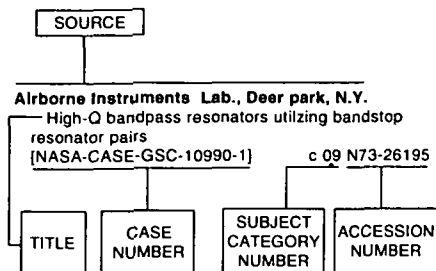
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Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
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[NASA-CASE-GSC-10349-1] c 44 N82-24645
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370

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[NASA-CASE-NPO-12107] c 08 N71-27255

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[NASA-CASE-MSC-13530-2] c 23 N75-14834

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[NASA-CASE-XMF-01887] c 15 N71-10617
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[NASA-CASE-MFS-11497] c 28 N71-16224
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[NASA-CASE-XMF-04966] c 14 N71-17658
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
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[NASA-CASE-XMF-00684] c 21 N71-21688
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[NASA-CASE-MFS-20325] c 28 N71-27095
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[NASA-CASE-XNP-02982] c 31 N70-41855
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[NASA-CASE-NPO-14641-1] c 32 N81-29308
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[NASA-CASE-NPO-13689-2] c 44 N81-29525
Interferometer
[NASA-CASE-NPO-14448-1] c 74 N81-29963
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[NASA-CASE-NPO-14542-1] c 25 N82-23282
Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-27126
Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 25 N84-22709
Absorbable-susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N84-22748
Radiative cooler
[NASA-CASE-NPO-15465-1] c 34 N84-22903
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N84-22931
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[NASA-CASE-NPO-15516-1] c 36 N84-22943
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[NASA-CASE-NPO-15496-1] c 44 N84-23018
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[NASA-CASE-NPO-15689-1] c 71 N84-23233
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[NASA-CASE-NPO-15345-1] c 74 N84-23247
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[NASA-CASE-XNP-08907] c 23 N71-29123
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[NASA-CASE-HQN-10876-1] c 33 N76-27473
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[NASA-CASE-ARC-10991-1] c 25 N78-14104
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[NASA-CASE-ARC-10992-1] c 26 N78-32229
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[NASA-CASE-ARC-11121-1] c 25 N79-14169

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[NASA-CASE-XNP-04167-2] c 25 N72-24753
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[NASA-CASE-GSC-11394-1] c 09 N73-32109

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[NASA-CASE-XLA-00189] c 33 N70-36846
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[NASA-CASE-GSC-10668-1] c 07 N71-28430

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[NASA-CASE-MSC-12389] c 33 N71-29052
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[NASA-CASE-LEW-12465-1] c 25 N78-25148
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[NASA-CASE-NPO-11366] c 11 N73-26238
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[NASA-CASE-XNP-06032] c 09 N69-21926
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[NASA-CASE-GSC-12808-1] c 25 N85-21279
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[NASA-CASE-HQN-10792-1] c 33 N74-11049
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[NASA-CASE-XNP-02899-1] c 33 N79-21265
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[NASA-CASE-XGS-01674] c 03 N71-29129
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[NASA-CASE-LEW-10393-1] c 17 N71-15468
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[NASA-CASE-XNP-09770] c 15 N71-20440
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[NASA-CASE-XNP-00952] c 10 N71-23271
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[NASA-CASE-XNP-06942] c 28 N71-23293
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[NASA-CASE-XNP-09770-3] c 11 N71-27036
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[NASA-CASE-GSC-11074-1] c 14 N73-28489
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[NASA-CASE-XMS-05894-1] c 15 N69-21924
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
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[NASA-CASE-XMS-05890] c 09 N71-23191
Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
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[NASA-CASE-MSC-13335-1] c 06 N72-31140
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[NASA-CASE-MSC-11072] c 54 N74-32546
Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
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[NASA-CASE-LAR-10135-1] c 09 N79-21083
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[NASA-CASE-XMS-01295-1] c 37 N79-21345
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Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
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[NASA-CASE-MFS-21214-1] c 09 N73-30181
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[NASA-CASE-LEW-12419-1] c 07 N77-14025
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[NASA-CASE-LEW-12760-1] c 07 N77-17059
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[NASA-CASE-LEW-12550-1] c 24 N77-19170
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[NASA-CASE-LEW-12830-1] c 07 N77-23106
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[NASA-CASE-LEW-12608-1] c 07 N77-27116
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[NASA-CASE-LEW-12312-1] c 07 N77-32148
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[NASA-CASE-LEW-12527-1] c 37 N77-32500
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[NASA-CASE-LEW-12477-1] c 37 N77-32501
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[NASA-CASE-LEW-12321-1] c 37 N78-10467
Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
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[NASA-CASE-LEW-12390-1] c 07 N78-17056
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[NASA-CASE-LEW-12916-1] c 37 N78-17384
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[NASA-CASE-LEW-12452-1] c 07 N78-25089
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[NASA-CASE-LEW-12496-1] c 07 N78-33101

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Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403

Integrated gas turbine engine nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096

Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097

Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871

Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039

Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115

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[NASA-CASE-LEW-12594-2] c 07 N81-19116

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[NASA-CASE-LEW-13199-1] c 07 N82-26293

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[NASA-CASE-LEW-14586-1] c 07 N83-31603

Apparatus for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-36029

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[NASA-CASE-LEW-13654-1] c 07 N84-22560

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[NASA-CASE-LEW-13524-1] c 07 N84-33410

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[NASA-CASE-LEW-13562-2] c 07 N85-35195

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[NASA-CASE-LEW-13142-2] c 07 N86-20389

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[NASA-CASE-LEW-12917-1] c 07 N78-18067

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[NASA-CASE-XHQ-03903] c 15 N69-21922

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[NASA-CASE-XGS-03505] c 03 N71-10608

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[NASA-CASE-XGS-02011] c 15 N71-20739

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[NASA-CASE-MSC-13917-1] c 05 N72-15098

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[NASA-CASE-MSC-13609-1] c 05 N72-25122

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[NASA-CASE-MSC-13604-1] c 05 N73-13114

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[NASA-CASE-LAR-10076-1] c 05 N73-20137

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[NASA-CASE-MFS-21441-1] c 14 N73-30392

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[NASA-CASE-NPO-13160-1] c 35 N74-18090

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[NASA-CASE-MFS-21395-1] c 25 N74-26948

Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744

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[NASA-CASE-MSC-13601-2] c 54 N75-27759

Automatic bioassay sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804

Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753

Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286

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Method of making a cermet
[NASA-CASE-LEW-10219-1] c 18 N71-28729

General Electric Co., Schenectady, NY.
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[NASA-CASE-XMF-01099] c 14 N71-15969

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[NASA-CASE-MFS-22022-1] c 37 N76-15460

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[NASA-CASE-GSC-12075-1] c 32 N77-31350

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[NASA-CASE-LEW-12906-1] c 26 N77-32279

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[NASA-CASE-MFS-21931-1] c 37 N75-26372

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[NASA-CASE-MSC-10959] c 15 N71-26243

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[NASA-CASE-XMS-02383] c 15 N71-15918

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[NASA-CASE-MFS-13929] c 15 N71-27091

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[NASA-CASE-XLA-09371] c 10 N71-18724

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[NASA-CASE-NPO-10199] c 09 N72-17156

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[NASA-CASE-ERC-10031] c 12 N71-18603

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[NASA-CASE-LAR-13098-1] c 31 N86-19479

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[NASA-CASE-LEW-12619-1] c 24 N77-19171

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[NASA-CASE-XGS-03351] c 31 N71-16081

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[NASA-CASE-XGS-01293-1] c 35 N79-33450

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[NASA-CASE-XGS-01593] c 03 N70-35408

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[NASA-CASE-GSC-11533-1] c 14 N73-13435

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[NASA-CASE-GSC-11531-1] c 52 N74-27566

Glenn Scientific Corp., Santa Ana, CA.
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[NASA-CASE-ARC-10266-1] c 33 N75-29318

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[NASA-CASE-XLE-10717] c 37 N75-29426

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[NASA-CASE-LEW-13148-1] c 33 N80-20487

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[NASA-CASE-LEW-13148-2] c 44 N81-29524

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[NASA-CASE-GSC-11514-1] c 03 N72-24037

Goodyear Aerospace Corp., Akron, OH.
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[NASA-CASE-XLA-04622] c 03 N70-41580

Method of making a filament-wound container
[NASA-CASE-XLE-03803-2] c 15 N71-17651

Filament wound container
[NASA-CASE-XLE-03803] c 15 N71-23816

Panelized high performance multilayer insulation
[NASA-CASE-MFS-14023] c 33 N71-25351

Thermally activated foaming compositions
[NASA-CASE-LAR-10373-1] c 18 N71-26155

Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323

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[NASA-CASE-HQN-10364] c 06 N71-27363

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[NASA-CASE-MSC-20812-1] c 34 N86-27593

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[NASA-CASE-MSC-12168-1] c 09 N71-18600

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[NASA-CASE-XMS-10984-1] c 10 N71-19417

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[NASA-CASE-NPO-10251] c 10 N71-27365

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[NASA-CASE-MSC-13110-1] c 08 N72-22163

Hamilton Standard, Windsor Locks, CT.
Venting device for pressurized space suit helmet
[NASA-CASE-XMS-09652-1] c 05 N71-26333

Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722

Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280

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- System for slicing silicon wafers
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- System for plotting subsoil structure and method therefor
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- Support assembly for cryogenically coolable low-noise choke waveguide
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- Stark cell optoacoustic detection of constituent gases in sample
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- Frequency translating phase conjugation circuit for active retrodirective antenna array
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- Medical diagnosis system and method with multispectral imaging
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- Coal desulfurization
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- Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
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- Synchronized voltage contrast display analysis system
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- Thin wire pointing method
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[NASA-CASE-NPO-15811-1] c 76 N84-12968
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- Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
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[NASA-CASE-NPO-15547-1] c 72 N84-16959
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[NASA-CASE-NPO-15426-1] c 35 N84-17555

Oil shale extraction using super-critical extraction
[NASA-CASE-NPO-15656-1] c 43 N84-23012

Laser pulse detection method and apparatus
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Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951

Ion mass spectrometer
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Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017

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[NASA-CASE-NPO-14597-2] c 37 N84-28081

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Phase sensitive guidance sensor for wire-following vehicles
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Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
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Correlation spectrometer having high resolution and multiplexing capability
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Method and apparatus for self-calibration and phasing of array antenna
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Portable remote laser sensor for methane leak detection
[NASA-CASE-NPO-15790-1] c 36 N85-21631

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Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652

Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723

Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N85-21846

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[NASA-CASE-NPO-15295-1] c 60 N85-21992

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Reciprocating magnetic refrigerator employing tandem porous matrices within a reciprocating displacer
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Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117

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[NASA-CASE-NPO-15743-1] c 32 N85-29118

Closed loop electrostatic levitation system
[NASA-CASE-NPO-15553-1] c 33 N85-29142

Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143

Jet pump-drive system for heat removal
[NASA-CASE-NPO-16494-1-CU] c 34 N85-29182

Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N85-29212

Digital control of diode laser for atmospheric spectroscopy
[NASA-CASE-NPO-16000-1] c 36 N85-29264

Method for driving two-phase turbines with enhanced efficiency
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Gravity enhanced acoustic levitation method and apparatus
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Optical fiber coupling method and apparatus
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Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187

Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N85-30305

Stable density stratification solar pond
[NASA-CASE-NPO-15419-2] c 44 N85-30474

Increased voltage photovoltaic cell
[NASA-CASE-NPO-16155-1] c 44 N85-30475

Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765

Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922

Method and apparatus for Delta Kappa synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N85-34327

Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 33 N85-34333

Instrumentation for sensing moisture content of material using a transient thermal pulse
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Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
[NASA-CASE-NPO-15865-1] c 74 N85-34629

Shuttle car loading system
[NASA-CASE-NPO-15949-1] c 85 N85-34722

Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227

Fluidized bed desulfurization
[NASA-CASE-NPO-15924-1] c 25 N85-35253

Memory metal actuator
[NASA-CASE-NPO-15960-1] c 37 N86-19604

Joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N86-19605

Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N86-19711

Brushless DC motor control system responsive to control signals generated by a computer or the like
[NASA-CASE-NPO-16420-1] c 33 N86-20681

Self-locking double retention redundant full pin release
[NASA-CASE-NPO-16233-1] c 37 N86-20801

Neighborhood comparison operator
[NASA-CASE-NPO-16464-1-CU] c 60 N86-24224

High dynamic global positioning system receiver
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Protective telescoping shield for solar concentrator
[NASA-CASE-NPO-16236-1] c 44 N86-27706

Oxygen chemisorption cryogenic refrigerator
[NASA-CASE-NPO-16734-1-CU] c 31 N88-14223

Timing control system
[NASA-CASE-NPO-16882-1-CU] c 33 N88-24863

Noncontact temperature pattern measuring device
[NASA-CASE-NPO-17024-1-CU] c 35 N88-24943

Real-time optical multiple object recognition and tracking system and method
[NASA-CASE-NPO-17139-1-CU] c 74 N88-25301

Low-loss, high-isolation, fiber-optic isolator
[NASA-CASE-NPO-17207-1-CU] c 74 N88-25304

Real-time image difference detection using a polarization rotation spacial light modulator
[NASA-CASE-NPO-17144-1-CU] c 74 N88-25305

Television monitor field shifter and an opto-electronic method for obtaining a stereo image of optimal depth resolution and reduced depth distortion on a single screen
[NASA-CASE-NPO-17249-1-CU] c 32 N89-28676

Systolic VLSI array for implementing the Kalman filter algorithm
[NASA-CASE-NPO-17108-1-CU] c 33 N89-28713

Robust high-performance control for robotic manipulators
[NASA-CASE-NPO-17785-1-CU] c 37 N89-28846

Trochoidal analysis of scattered electrons in a merged electron-ion beam geometry
[NASA-CASE-NPO-16789-1-CU] c 72 N89-29169

Two stage sorption type cryogenic refrigerator including heat regeneration system
[NASA-CASE-NPO-17630-1-CU] c 31 N89-29577

Integrated circuit reliability testing
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Low power consumption current transducer
[NASA-CASE-NPO-16888-1-CU] c 33 N89-29681

Distributed proximity sensor system
[NASA-CASE-NPO-17275-1-CU] c 37 N89-29750

Predictive aging of polymers
[NASA-CASE-NPO-17524-1-CU] c 27 N90-10261

Acoustic controlled rotation and orientation
[NASA-CASE-NPO-16995-1-CU] c 71 N90-12289

Stippled feed for a microstrip array of patch elements with teardrop shaped probes
[NASA-CASE-NPO-17548-1-CU] c 32 N90-16104

Solid state electrical switch employing materials with reversible phase transistors
[NASA-CASE-NPO-17621-1-CU] c 33 N90-17010

VLSI single-chip (255,223) Reed-Solomon encoder with interleaver
[NASA-CASE-NPO-17280-1-CU] c 17 N90-21061

Atmospheric autorotating imaging device
[NASA-CASE-NPO-17390-1-CU] c 35 N90-22769

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Computer access security code system
[NASA-CASE-NPO-17525-1-CU] c 60 N90-25583

Improving the geometric fidelity of imaging systems employing sensor arrays
[NASA-CASE-NPO-17970-1-CU] c 43 N90-26384

MBE growth technology for high quality strained III-V layers
[NASA-CASE-NPO-17723-1-CU] c 76 N90-26685

Multistage estimation of received carrier signal parameters under very high dynamic conditions of the receiver
[NASA-CASE-NPO-17911-1-CU] c 32 N90-27016

Method of forming three-dimensional semiconductor structures
[NASA-CASE-NPO-17835-1-CU] c 76 N90-27518

Method for providing a polarization filter for processing synthetic aperture radar image data
[NASA-CASE-NPO-17904-1-CU] c 32 N91-13594

Measurement of waves in flows across a surface
[NASA-CASE-NPO-17479-1-CU] c 34 N91-13658

Motion detection, novelty filtering, and target tracking using an interferometric technique with a GaAs phase conjugate mirror
[NASA-CASE-NPO-17784-1-CU] c 74 N91-13998

Efficient detection and signal parameter estimation with application to high dynamic GPS receiver
[NASA-CASE-NPO-17820-1-CU] c 04 N91-14321

High temperature refractory member with radiation emissive overcoat
[NASA-CASE-NPO-17122-1-CU] c 27 N91-14489

Trellis coded modulation for transmission over fading mobile satellite channel
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Organic cathode for a secondary battery
[NASA-CASE-NPO-17604-1-CU] c 33 N91-14536

Copper chloride cathode for a secondary battery
[NASA-CASE-NPO-17640-1-CU] c 33 N91-14538

Improved high power/high frequency inductor
[NASA-CASE-NPO-17830-1-CU] c 33 N91-14539

Millimeter-wave monolithic diode-grid frequency multiplier
[NASA-CASE-NPO-17258-1-CU] c 33 N91-14551

Apparatus and method for characterizing the transmission efficiency of a mass spectrometer
[NASA-CASE-NPO-16989-1-CU] c 35 N91-14587

Field induced gap infrared detector
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[NASA-CASE-NPO-15959-2] c 37 N91-14616

Method for detecting surface motions and mapping small terrestrial or planetary surface deformations with synthetic aperture radar
[NASA-CASE-NPO-17831-1-CU] c 43 N91-14642

Distributed computing system with dual independent communications paths between computers and employing split tokens
[NASA-CASE-NPO-17185-1-CU] c 62 N91-14772

Acoustic positioning and orientation prediction
[NASA-CASE-NPO-17511-1-CU] c 71 N91-14807

Acoustic transducer apparatus with reduced thermal conduction
[NASA-CASE-NPO-17620-1-CU] c 71 N91-14808

Surface modification using low energy ground state ion beams
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Energy efficient continuous flow ash lockhopper
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[NASA-CASE-MSC-14129-1] c 33 N75-18479

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[NASA-CASE-MSC-14558-1] c 32 N75-21486

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[NASA-CASE-MSC-14557-1] c 32 N76-16249

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[NASA-CASE-MSC-14683-1] c 74 N77-18893

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[NASA-CASE-MSC-14939-1] c 32 N79-11264

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[NASA-CASE-MFS-25791-1] c 09 N84-27749

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[NASA-CASE-MSC-14182-1] c 27 N76-14264

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[NASA-CASE-MSC-14180-1] c 52 N76-14757

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[NASA-CASE-MSC-14270-1] c 27 N76-22377

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[NASA-CASE-LAR-10208-1] c 35 N76-18400

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[NASA-CASE-MSC-14245-1] c 18 N75-27041

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[NASA-CASE-LAR-10970-1] c 33 N76-14372

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[NASA-CASE-LAR-11224-1] c 37 N76-18456

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[NASA-CASE-XMS-01905] c 12 N71-21089

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[NASA-CASE-LAR-11237-1] c 35 N75-19612

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[NASA-CASE-MFS-22189-1] c 35 N75-19615

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[NASA-CASE-MFS-21606-1] c 37 N75-19685

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[NASA-CASE-LAR-13250-1] c 37 N86-27630

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[NASA-CASE-XNP-04264] c 03 N69-21337

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[NASA-CASE-NPO-10863-2] c 06 N72-25152

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[NASA-CASE-ARC-10469-1] c 25 N75-12086

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[NASA-CASE-ARC-10448-2] c 74 N75-12732

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[NASA-CASE-MFS-22758-1] c 70 N75-26789

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[NASA-CASE-GSC-11829-1] c 35 N75-27331

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[NASA-CASE-ARC-10816-1] c 35 N76-24525

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[NASA-CASE-ARC-10448-3] c 35 N77-14408

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[NASA-CASE-ARC-10900-1] c 35 N77-24454

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[NASA-CASE-GSC-11571-1] c 36 N77-25499

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[NASA-CASE-MFS-22926-1] c 24 N77-27187

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[NASA-CASE-GSC-12083-1] c 73 N78-32848

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[NASA-CASE-ARC-11264-2] c 52 N83-29991

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[NASA-CASE-ARC-11400-1] c 27 N84-14322

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[NASA-CASE-ARC-11368-3] c 27 N84-22745

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[NASA-CASE-ARC-11359-1] c 51 N84-28361

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[NASA-CASE-XGS-02401] c 14 N69-27485

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[NASA-CASE-ERC-10307] c 08 N72-21198

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[NASA-CASE-ERC-10119] c 26 N72-21701

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[NASA-CASE-ERC-10222] c 09 N72-22199

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[NASA-CASE-ERC-10174] c 14 N72-25409

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[NASA-CASE-HQN-10756-1] c 14 N72-25428

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[NASA-CASE-ERC-10283] c 16 N72-25485

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[NASA-CASE-ERC-10392] c 21 N73-14692

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[NASA-CASE-ERC-10226-1] c 14 N73-16483

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[NASA-CASE-ERC-10276] c 14 N73-26432

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[NASA-CASE-HQN-10832-1] c 71 N74-21014

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[NASA-CASE-HQN-10844-1] c 36 N75-19653

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[NASA-CASE-HQN-10542-1] c 74 N75-25706

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[NASA-CASE-XHQ-02146] c 18 N75-27040

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[NASA-CASE-HQN-10069] c 33 N75-27251

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[NASA-CASE-HQN-10462] c 25 N75-29192

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[NASA-CASE-HQN-10876-1] c 33 N76-27473

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[NASA-CASE-HQN-10862-1] c 44 N76-29699

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[NASA-CASE-HQN-10880-1] c 17 N78-17140

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[NASA-CASE-HQN-10841-1] c 73 N78-19920

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[NASA-CASE-ARC-11059-1] c 54 N78-32721

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[NASA-CASE-HQN-10888-1] c 44 N79-14527

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[NASA-CASE-HQN-00573-1] c 37 N79-33468

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[NASA-CASE-HQN-10274-1] c 27 N82-29451

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[NASA-CASE-HQN-10931-2] c 27 N82-29452

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[NASA-CASE-HQN-10328-2] c 27 N82-29454

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[NASA-CASE-XAR-03786] c 09 N69-21313
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[NASA-CASE-XAC-08981] c 09 N69-39897
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- Dynamic sensor Patent
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[NASA-CASE-ARC-11425-2] c 23 N87-28605
- Electro-expulsive separation system
[NASA-CASE-ARC-11613-1] c 33 N87-28833
- Dual mode laser velocimeter
[NASA-CASE-ARC-11634-1] c 36 N88-14350
- Airborne tracking sunphotometer apparatus and system
[NASA-CASE-ARC-11622-1] c 44 N88-14492
- Ceramic-ceramic shell tile thermal protection system and method thereof
[NASA-CASE-ARC-11641-1] c 24 N88-18628
- Aromatic cyclotriphosphazenes
[NASA-CASE-ARC-11428-3] c 23 N88-24692
- High performance forward swept wing aircraft
[NASA-CASE-ARC-11636-1] c 05 N88-28914
- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-1-SB] c 27 N88-29040
- Laser Doppler velocimeter multiplexer interface for simultaneous measured events
[NASA-CASE-ARC-11536-1] c 33 N89-14384
- Fire and heat resistant laminating resin based on maleimido and citraconimido substituted 1-(diorganoxyphosphonyl-methyl)-2,4- and -2,6-diaminobenzenes
[NASA-CASE-ARC-11533-2] c 27 N89-16042
- Visual accommodation trainer-tester
[NASA-CASE-ARC-11426-2] c 52 N89-16256
- Space station architecture, module, berthing hub, shell assembly, berthing mechanism and utility connection channel
[NASA-CASE-ARC-11505-2] c 18 N89-25266
- Suitport extra-vehicular access facility
[NASA-CASE-ARC-11635-1] c 18 N90-16860
- The 1-(diorganoxyphosphonyl)-methyl-2,4- and -2,6-diamino benzenes
[NASA-CASE-ARC-11425-4] c 23 N90-20133
- Boron-containing organosilane polymers and ceramic materials thereof
[NASA-CASE-ARC-11649-2-SB] c 27 N90-21177
- Some 1-(diorganoxyphosphonyl)methyl-2,4- and -2,6-dinitro-benzenes
[NASA-CASE-ARC-11425-3] c 23 N90-23475
- Three-dimensional laser velocimeter simultaneity detector
[NASA-CASE-ARC-11876-1] c 36 N90-25340

Wind tunnel balance
[NASA-CASE-ARC-11877-1-SB] c 09 N91-14357

Multiple axis reticle
[NASA-CASE-ARC-11886-1-SB] c 35 N91-14591

Laser velocimeter for near-surface measurements
[NASA-CASE-ARC-11917-1] c 35 N91-15520

Airborne rescue system
[NASA-CASE-ARC-11909-1] c 03 N91-31113

Etching method for photoresists or polymers
[NASA-CASE-ARC-11873-2] c 25 N91-31258

Toughened uni-piece fibrous insulation
[NASA-CASE-ARC-11888-1] c 24 N92-16026

Matching optics for Gaussian beams
[NASA-CASE-ARC-11892-1-SB] c 74 N92-16810

Apparatus for precision focussing and positioning of a beam waist on a target
[NASA-CASE-ARC-11916-1-SB] c 74 N92-16811

Boron-carbon-silicon polymers and ceramic and a process for the production thereof
[NASA-CASE-ARC-11891-2-SB] c 27 N92-34160

Passive zero-gravity leg restraint
[NASA-CASE-ARC-11882-1-CU] c 54 N93-14713

Improved composite flexible blanket insulation
[NASA-CASE-ARC-11955-1-CU] c 24 N94-15926

Cooling apparatus and couplings therefor
[NASA-CASE-ARC-11921-1] c 34 N94-20371

Probe shapes that measure time-averaged streamwise momentum and cross-stream turbulence intensity
[NASA-CASE-ARC-11934-1] c 34 N94-23077

Probe systems for measuring static pressure and turbulence intensity in fluid streams
[NASA-CASE-ARC-11935-1] c 34 N94-23306

Output optics for laser velocimeters
[NASA-CASE-ARC-11889-1-SB] c 74 N94-23309

Deployable video conference table
[NASA-CASE-ARC-11950-1] c 09 N94-23310

Ceramic silicon-boron-carbon fibers from organic silicon-boron-polymers
[NASA-CASE-ARC-11956-1-SB] c 27 N94-23311

Head related transfer function pseudo-stereophony
[NASA-CASE-ARC-11919-1-NP] c 71 N94-23312

**National Aeronautics and Space Administration,
Electronics Research Center, Cambridge, MA.**

Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343

A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482

Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867

A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148

Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539

Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354

Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551

Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567

Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483

Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721

Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722

Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598

Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800

Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832

Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868

Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893

Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896

Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910

Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948

Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490

A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900

Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154

Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635

Method and apparatus for detecting gross leaks Patent
[NASA-CASE-ERC-10033] c 14 N71-26672

Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678

Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053

A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090

Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334

Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364

Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465

Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618

Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863

Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992

Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994

Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065

Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131

Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519

Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323

Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747

Logarithmic function generator utilizing an exponentially varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173

Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246

**National Aeronautics and Space Administration, Flight
Research Center, Edwards, CA.**

Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503

Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279

Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901

Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073

Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748

Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189

Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217

Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421

Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994

Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085

Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254

Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692

Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145

Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200

Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379

Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129

Terminal guidance system
[NASA-CASE-FRC-10049-1] c 04 N74-13420

Full wave modulator-demodulator amplifier apparatus
[NASA-CASE-FRC-10072-1] c 33 N74-14939

Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813

Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N84-12443

**National Aeronautics and Space Administration,
Goddard Inst. for Space Studies, New York, NY.**

Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794

Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455

Length controlled stabilized mode-lock Nd:YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499

Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386

Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942

Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366

Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400

Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346

Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11898-1] c 74 N77-28932

Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308

Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

Automatic transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350

Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308

Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413

Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456

Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731

Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529

Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709

**National Aeronautics and Space Administration,
Goddard Space Flight Center, Greenbelt, MD.**

Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330

Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363

Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472

Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543

Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317

Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320

Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432

Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460

Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463

Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491

Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974

Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978

Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979

Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope
[NASA-CASE-XGS-01725] c 14 N69-39982

Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158

Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297

Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743

Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787

Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819

- Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
- Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
- Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
- Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
- Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
- Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
- Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
- Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
- Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
- Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
- Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
- Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
- Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
- Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
- Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
- Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
- Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
- Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
- Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
- Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044
- Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
- Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
- Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
- Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676
- Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
- Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
- Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
- Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
- Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
- Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
- Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
- Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
- Self-erecting reflector Patent
[NASA-CASE-XGS-39190] c 31 N71-16102
- Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
- Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341
- Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
- Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
- Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
- Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
- Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
- Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
- Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
- Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
- Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
- Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
- Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
- Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
- Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
- Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
- Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
- Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
- Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
- System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
- Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
- Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
- Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529
- Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
- Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
- Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
- Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992
- Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
- Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
- Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001
- Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
- Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent
[NASA-CASE-XGS-02607] c 31 N71-23009
- Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015
- Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
- Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
- Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187
- Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
- Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336
- Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525
- Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573
- Apparatus for phase stability determination Patent
[NASA-CASE-XGS-01118] c 10 N71-23662
- Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
- Balance torque meter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
- Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045
- Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
- Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
- Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
- Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
- Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600
- Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
- Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719
- Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
- Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
- Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
- Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085
- Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
- Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
- Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626
- Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
- Resettable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016
- Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094
- Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
- Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- Gravity gradient attitude control system Patent
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Helical recorder arrangement for multiple channel recording on both sides of the tape
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Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
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Position location system and method
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Facsimile video remodulation network
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Caterpillar micro positioner
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Minimech self-deploying boom mechanism
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Heated porous plug microthruster
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Optimum performance spacecraft solar cell system
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Monostable multivibrator
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Roll alignment detector
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Cosmic dust sensor
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Solenoid valve including guide for armature and valve member
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Fast response low power drain logic circuits
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Trap for preventing diffusion pump backstreaming
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Optical system support apparatus
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Potassium silicate zinc coatings
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Synchronous orbit battery cyclor
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Flavin coenzyme assay
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Location identification system
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A dc to ac to dc converter having transistor synchronous rectifiers
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Tungsten contacts on silicon substrates
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Bacterial contamination monitor
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Honeycomb panels formed of minimal surface periodic tubule layers
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Honeycomb core structures of minimal surface tubule sections
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Electric motive machine including magnetic bearing
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Cosmic dust or other similar outer space particles impact location detector
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Diffuse reflective coating
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Data processor with conditionally supplied clock signals
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Apparatus for vibrational testing of articles
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Method and system for ejecting fairing sections from a rocket vehicle
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Plural beam antenna
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Star tracking reticles and process for the production thereof
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Delayed simultaneous release mechanism
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Doppler compensation by shifting transmitted object frequency within limits
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Signal-to-noise ratio determination circuit
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Nutation damper
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Low outgassing polydimethylsiloxane material and preparation thereof
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Method of detecting and counting bacteria in body fluids
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Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
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Process for making RF shielded cable connector assemblies and the products formed thereby
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Fastener stretcher
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Spacecraft attitude sensor
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Method of making porous conductive supports for electrodes
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Formation of star tracking reticles
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Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly
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Ultra-stable oscillator with complementary transistors
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Turnstile slot antenna
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Dish antenna having switchable beamwidth
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X-Y alphanumeric character generator for oscilloscopes
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Radiation hardening of MOS devices by boron
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Evacuated displacement compression molding [NASA-CASE-LAR-10782-1]	c 31	N74-14133	Method of making an explosively welded scarf joint [NASA-CASE-LAR-11211-1]	c 37	N75-12326	Particulate and aerosol detector [NASA-CASE-LAR-11434-1]	c 35	N76-22509
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Attitude sensor [NASA-CASE-LAR-10586-1]	c 19	N74-15089	Method for making conductors for ferrite memory arrays [NASA-CASE-LAR-10994-1]	c 24	N75-13032	Vacuum pressure molding technique [NASA-CASE-LAR-10073-1]	c 37	N76-24575
Mossbauer spectrometer radiation detector [NASA-CASE-LAR-11155-1]	c 35	N74-15091	Evacuated, displacement compression mold [NASA-CASE-LAR-10782-2]	c 31	N75-13111	Instrumentation for measuring aircraft noise and sonic boom [NASA-CASE-LAR-11476-1]	c 07	N76-27232
In situ transfer standard for ultrahigh vacuum gage calibration [NASA-CASE-LAR-10862-1]	c 35	N74-15092	Automatic inoculating apparatus [NASA-CASE-LAR-11074-1]	c 51	N75-13502	Connector [NASA-CASE-LAR-11709-1]	c 37	N76-27567
Dual measurement ablation sensor [NASA-CASE-LAR-10105-1]	c 34	N74-15652	Automatic focus control for facsimile cameras [NASA-CASE-LAR-11213-1]	c 35	N75-15014	Capillary flow weld-bonding [NASA-CASE-LAR-11726-1]	c 37	N76-27568
Ejectable underwater sound source recovery assembly [NASA-CASE-LAR-10595-1]	c 35	N74-16135	Kinesthetic control simulator [NASA-CASE-LAR-10276-1]	c 09	N75-15662	Detector absorptivity measuring method and apparatus [NASA-CASE-LAR-10907-1]	c 35	N76-29551
Wind tunnel model and method [NASA-CASE-LAR-10812-1]	c 09	N74-17955	Electrostatic measurement system [NASA-CASE-MFS-22129-1]	c 33	N75-18477	Method for detecting pollutants [NASA-CASE-LAR-11405-1]	c 45	N76-31714
High field CdS detector for infrared radiation [NASA-CASE-LAR-11027-1]	c 35	N74-18088	Automatic liquid inventory collecting and dispensing unit [NASA-CASE-LAR-11071-1]	c 35	N75-19611	Wingtip vortex dissipator for aircraft [NASA-CASE-LAR-11645-1]	c 02	N77-10001
Method of fabricating an article with cavities [NASA-CASE-LAR-10318-1]	c 31	N74-18089	Vacuum leak detector [NASA-CASE-LAR-11237-1]	c 35	N75-19612	Casting propellant in rocket engine [NASA-CASE-LAR-11995-1]	c 28	N77-10213
Apparatus for remote handling of materials [NASA-CASE-LAR-10634-1]	c 37	N74-18123	Spectrometer integrated with a facsimile camera [NASA-CASE-LAR-11207-1]	c 35	N75-19613	Anti-multipath digital signal detector [NASA-CASE-LAR-11827-1]	c 32	N77-10392
Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article [NASA-CASE-LAR-10489-1]	c 31	N74-18124	Instrumentation for measurement of aircraft noise and sonic boom [NASA-CASE-LAR-11173-1]	c 35	N75-19614	Weld-bonded titanium structures [NASA-CASE-LAR-11549-1]	c 37	N77-11397
Method for determining thermo-physical properties of specimens [NASA-CASE-LAR-11053-1]	c 25	N74-18551	Laser head for simultaneous optical pumping of several dye lasers [NASA-CASE-LAR-11341-1]	c 36	N75-19655	Phase modulating with odd and even finite power series of a modulating signal [NASA-CASE-LAR-11607-1]	c 32	N77-14292
Anti-buckling fatigue test assembly [NASA-CASE-LAR-10426-1]	c 09	N74-19528	High lift aircraft [NASA-CASE-LAR-11252-1]	c 05	N75-25914	Miniature biaxial strain transducer [NASA-CASE-LAR-11648-1]	c 35	N77-14407
Reefing system [NASA-CASE-LAR-10129-2]	c 37	N74-20063	Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements [NASA-CASE-LAR-11144-1]	c 25	N75-26043	Precision alignment apparatus for cutting a workpiece [NASA-CASE-LAR-11658-1]	c 37	N77-14478
A synchronous binary array divider [NASA-CASE-ERC-10180-1]	c 60	N74-20836	Resonant waveguide stark cell [NASA-CASE-LAR-11352-1]	c 33	N75-26245	Solid propellant rocket motor and method of making same [NASA-CASE-XLA-01349]	c 20	N77-17143
Orbital and entry tracking accessory for globes [NASA-CASE-LAR-10626-1]	c 19	N74-21015	Fluid control apparatus and method [NASA-CASE-LAR-11110-1]	c 34	N75-26282	Particulate and solar radiation stable coating for spacecraft [NASA-CASE-LAR-10805-2]	c 34	N77-18382
Digital controller for a Baum folding machine [NASA-CASE-LAR-10688-1]	c 37	N74-21056	Electrolytic cell structure [NASA-CASE-LAR-11042-1]	c 33	N75-27252	Magnetic heading reference [NASA-CASE-LAR-11387-2]	c 04	N77-19056
Totally confined explosive welding [NASA-CASE-LAR-10941-1]	c 37	N74-21057	Automatic microbial transfer device [NASA-CASE-LAR-11354-1]	c 35	N75-27330	Binocular device for displaying numerical information in field of view [NASA-CASE-LAR-11782-1]	c 74	N77-20882
Method of fabricating an object with a thin wall having a precisely shaped slit [NASA-CASE-LAR-10409-1]	c 31	N74-21059	Polyimide adhesives [NASA-CASE-LAR-11397-1]	c 27	N75-29263	Method of locating persons in distress [NASA-CASE-LAR-11390-1]	c 32	N77-21267
Deployable pressurized cell structure for a micrometeoroid detector [NASA-CASE-LAR-10295-1]	c 35	N74-21062	Bonding method in the manufacture of continuous regression rate sensor devices [NASA-CASE-LAR-10337-1]	c 24	N75-30260	Amplifying ribbon extensometer [NASA-CASE-LAR-11825-1]	c 35	N77-22449
Means for accommodating large overstrain in lead wires [NASA-CASE-LAR-10168-1]	c 33	N74-22865	Meteoroid impact position locator aid for manned space station [NASA-CASE-LAR-10629-1]	c 35	N75-33367	Method of forming shrink-fit compression seal [NASA-CASE-LAR-11563-1]	c 37	N77-23482
Bonded joint and method [NASA-CASE-LAR-10900-1]	c 37	N74-23064	Measurement of gas production of microorganisms [NASA-CASE-LAR-11326-1]	c 35	N75-33368	Vortex generator for controlling the dispersion of effluents in a flowing liquid [NASA-CASE-LAR-12045-1]	c 34	N77-24423
Light shield and cooling apparatus [NASA-CASE-LAR-10089-1]	c 34	N74-23066	Self-supporting strain transducer [NASA-CASE-LAR-11263-1]	c 35	N75-33369	Process for control of cell division [NASA-CASE-LAR-10773-3]	c 51	N77-25769
Method of laminating structural members [NASA-CASE-XLA-11028-1]	c 24	N74-27035	Annular momentum control device used for stabilization of space vehicles and the like [NASA-CASE-LAR-111051-1]	c 15	N76-14158	Electro-mechanical sine/cosine generator [NASA-CASE-LAR-11389-1]	c 33	N77-26387
Rocket having barium release system to create ion clouds in the upper atmosphere [NASA-CASE-LAR-10670-2]	c 15	N74-27360	Multichannel logarithmic RF level detector [NASA-CASE-LAR-11021-1]	c 32	N76-14321	Apparatus for determining thermophysical properties of test specimens [NASA-CASE-LAR-11883-1]	c 09	N77-27131
Apparatus for inserting and removing specimens from high temperature vacuum furnaces [NASA-CASE-LAR-10841-1]	c 31	N74-27900	Turnstile and flared cone UHF antenna [NASA-CASE-LAR-10970-1]	c 33	N76-14372	Automated single-slide staining device [NASA-CASE-LAR-11649-1]	c 51	N77-27677
Grinding arrangement for ball nose milling cutters [NASA-CASE-LAR-10450-1]	c 37	N74-27905	Static pressure probe [NASA-CASE-LAR-11552-1]	c 35	N76-14429	Dual cycle aircraft turbine engine [NASA-CASE-LAR-11310-1]	c 07	N77-28118
Method of repairing discontinuity in fiberglass structures [NASA-CASE-LAR-10416-1]	c 24	N74-30001	Horn antenna having V-shaped corrugated slots [NASA-CASE-LAR-11112-1]	c 32	N76-15330	Composite sandwich lattice structure [NASA-CASE-LAR-11898-1]	c 24	N78-10214
Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft [NASA-CASE-LAR-10753-1]	c 08	N74-30421	Ultrasonic calibration device [NASA-CASE-LAR-11435-1]	c 35	N76-15432	Differential sound level meter [NASA-CASE-LAR-12106-1]	c 71	N78-14867
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot [NASA-CASE-LAR-10550-1]	c 09	N74-30597	Deploy/release system [NASA-CASE-LAR-11575-1]	c 02	N76-16014	Thermoluminescent aerosol analysis [NASA-CASE-LAR-12046-1]	c 25	N78-15210
Centrifugal lyophobic separator [NASA-CASE-LAR-10194-1]	c 34	N74-30608	Clock setter [NASA-CASE-LAR-11458-1]	c 35	N76-16392	CW ultrasonic bolt tensioning monitor [NASA-CASE-LAR-12016-1]	c 39	N78-15512
Variably positioned guide vanes for aerodynamic choking [NASA-CASE-LAR-10642-1]	c 07	N74-31270	Heat exchanger system and method [NASA-CASE-LAR-10799-2]	c 34	N76-17317	Solar heating system [NASA-CASE-LAR-12009-1]	c 44	N78-15560
			Stack plume visualization system [NASA-CASE-LAR-11675-1]	c 45	N76-17656	Transmitting and reflecting diffuser [NASA-CASE-LAR-10385-3]	c 74	N78-15879
						TV fatigue crack monitoring system [NASA-CASE-LAR-11490-1]	c 39	N78-16387

Method of making a composite sandwich lattice structure			Detection of the transitional layer between laminar and turbulent flow areas on a wing surface			Continuous self-locking spiral wound seal		
[NASA-CASE-LAR-11898-2]	c 24	N78-17149	[NASA-CASE-LAR-12261-1]	c 02	N80-20224	[NASA-CASE-LAR-12315-1]	c 37	N82-24490
Composite lamination method			CDS solid state phase insensitive ultrasonic transducer.			Solar engine		
[NASA-CASE-LAR-12019-1]	c 24	N78-17150	[NASA-CASE-LAR-12304-1]	c 35	N80-20559	[NASA-CASE-LAR-12148-1]	c 44	N82-24640
Polyimide adhesives			Combined solar collector and energy storage system			Fuselage structure using advanced technology fiber reinforced composites		
[NASA-CASE-LAR-12181-1]	c 27	N78-17205	[NASA-CASE-LAR-12205-1]	c 44	N80-20810	[NASA-CASE-LAR-11688-1]	c 24	N82-26384
Thermal shock and erosion resistant tantalum carbide ceramic material			Noncontacting method for measuring angular deflection			Electrically conductive palladium containing polyimide films		
[NASA-CASE-LAR-11902-1]	c 27	N78-17206	[NASA-CASE-LAR-12178-1]	c 74	N80-21138	[NASA-CASE-LAR-12705-1]	c 25	N82-26396
Optical scanner			Chronometrically corrected virtual image visual display			Digital demodulator		
[NASA-CASE-LAR-11711-1]	c 74	N78-17866	[NASA-CASE-LAR-12251-1]	c 74	N80-27185	[NASA-CASE-LAR-12659-1]	c 33	N82-26570
Molded composite pyrogen igniter for rocket motors			Heat treat fixture and method of heat treating			One-step dual purpose joining technique		
[NASA-CASE-LAR-12018-1]	c 20	N78-24275	[NASA-CASE-LAR-11821-1]	c 26	N80-28492	[NASA-CASE-LAR-12595-1]	c 33	N82-26571
Non-destructive method for applying and removing instrumentation on helicopter rotor blades			Dual acting slit control mechanism			Liquid-immersible electrostatic ultrasonic transducer		
[NASA-CASE-LAR-11201-1]	c 35	N78-24515	[NASA-CASE-LAR-11370-1]	c 35	N80-28686	[NASA-CASE-LAR-12465-1]	c 33	N82-26572
Two dimensional wedge/translating shroud nozzle			Visible and infrared polarization ratio spectrophotometer			Film advance indicator		
[NASA-CASE-LAR-11919-1]	c 07	N78-27121	[NASA-CASE-LAR-12285-1]	c 35	N80-28687	[NASA-CASE-LAR-12474-1]	c 35	N82-26628
Remote water monitoring system			Collapsible corrugated horn antenna			Means for controlling aerodynamically induced twist		
[NASA-CASE-LAR-11973-1]	c 35	N78-27384	[NASA-CASE-LAR-11745-1]	c 32	N80-29539	[NASA-CASE-LAR-12175-1]	c 05	N82-28279
Magnetic suspension and pointing system			Natural turbulence electrical power generator			Apparatus and process for microbial detection and enumeration		
[NASA-CASE-LAR-11889-2]	c 37	N78-27424	[NASA-CASE-LAR-11551-1]	c 44	N80-29834	[NASA-CASE-LAR-12709-1]	c 35	N82-28604
Device for measuring the contour of a surface			Partial interlaminar separation system for composites			Method for forming pyrrone molding powders and products of said method		
[NASA-CASE-LAR-11869-1]	c 74	N78-27904	[NASA-CASE-LAR-12065-1]	c 24	N81-14000	[NASA-CASE-LAR-10423-1]	c 23	N82-29358
Supersonic transport			Method for preparing addition type polyimide prepreps			Acoustic tooth cleaner		
[NASA-CASE-LAR-11932-1]	c 05	N78-32086	[NASA-CASE-LAR-12054-2]	c 27	N81-14078	[NASA-CASE-LAR-12471-1]	c 52	N82-29862
Hypersonic airbreathing missile			Method and tool for machining a transverse slot about a bore			Pyroelectric detector arrays		
[NASA-CASE-LAR-12264-1]	c 15	N78-32168	[NASA-CASE-LAR-11855-1]	c 37	N81-14319	[NASA-CASE-LAR-12363-1]	c 35	N82-31659
Process for preparing thermoplastic aromatic polyimides			Aerodynamic side-force alleviator means			Decoupler pylon: wing/store flutter suppressor		
[NASA-CASE-LAR-11828-1]	c 27	N78-32261	[NASA-CASE-LAR-12326-1]	c 02	N81-14968	[NASA-CASE-LAR-12468-1]	c 08	N82-32373
Magnetometer with a miniature transducer and automatic scanning			Compensating linkage for main rotor control			Multilwall thermal protection system		
[NASA-CASE-LAR-11617-2]	c 35	N78-32397	[NASA-CASE-LAR-11797-1]	c 05	N81-19087	[NASA-CASE-LAR-12620-1]	c 24	N82-32417
Independent power generator			Thrust augmented spin recovery device			Scanning afocal laser velocimeter projection lens system		
[NASA-CASE-LAR-11208-1]	c 44	N78-32539	[NASA-CASE-LAR-11970-2]	c 08	N81-19130	[NASA-CASE-LAR-12328-1]	c 36	N82-32712
Pseudo continuous wave instrument			Velocity vector control system augmented with direct lift control			Mechanical end joint system for structural column elements		
[NASA-CASE-LAR-12260-1]	c 35	N79-10390	[NASA-CASE-LAR-12268-1]	c 08	N81-24106	[NASA-CASE-LAR-12482-1]	c 37	N82-32732
Nozzle extraction process and handlemeter for measuring handle			Direction sensitive laser velocimeter			Photocapacitive image converter		
[NASA-CASE-LAR-12147-1]	c 31	N79-11246	[NASA-CASE-LAR-12177-1]	c 36	N81-24422	[NASA-CASE-LAR-12513-1]	c 44	N82-32841
Fluid velocity measuring device			Tire/wheel concept			Pulsed phase locked loop strain monitor		
[NASA-CASE-LAR-11729-1]	c 34	N79-12359	[NASA-CASE-LAR-11695-2]	c 37	N81-24443	[NASA-CASE-LAR-12772-1]	c 33	N83-16626
Totally confined explosive welding			Lightweight structural columns			Ampoule sealing apparatus and process		
[NASA-CASE-LAR-10941-2]	c 37	N79-13364	[NASA-CASE-LAR-12095-1]	c 31	N81-25258	[NASA-CASE-LAR-12847-1]	c 33	N83-16633
Vortex-lift roll-control device			Foldable beam			Sound shield		
[NASA-CASE-LAR-11868-2]	c 08	N79-14108	[NASA-CASE-LAR-12077-1]	c 31	N81-25259	[NASA-CASE-LAR-12883-1]	c 71	N83-17235
Electronically scanned pressure sensor module with in SITU calibration capability			Cooling system for high speed aircraft			Modified spiral wound retaining ring		
[NASA-CASE-LAR-12230-1]	c 35	N79-14347	[NASA-CASE-LAR-12406-1]	c 05	N81-26114	[NASA-CASE-LAR-12361-1]	c 37	N83-19091
Versatile LDV burst simulator			Pitch attitude stabilization system utilizing engine pressure ratio feedback signals			Miniature spectrally selective dosimeter		
[NASA-CASE-LAR-11859-1]	c 35	N79-14349	[NASA-CASE-LAR-12562-1]	c 08	N81-26152	[NASA-CASE-LAR-12469-1]	c 35	N83-21311
Locking redundant link			Orbiter/launch system			Aeroelastic instability stoppers for wind tunnel models		
[NASA-CASE-LAR-11900-1]	c 37	N79-14382	[NASA-CASE-LAR-12250-1]	c 14	N81-26161	[NASA-CASE-LAR-12458-1]	c 44	N83-21503
Apparatus for measuring an aircraft's speed and height			Adaptive polarization separation			Aeroelastic instability stoppers for wind tunnel models		
[NASA-CASE-LAR-12275-1]	c 35	N79-18296	[NASA-CASE-LAR-12196-1]	c 33	N81-26358	[NASA-CASE-LAR-12720-1]	c 44	N83-21504
Volumetric direct nuclear pumped laser			Telescoping columns			Pyroelectric detector arrays		
[NASA-CASE-LAR-12183-1]	c 36	N79-18307	[NASA-CASE-LAR-12195-1]	c 31	N81-27324	[NASA-CASE-LAR-12363-2]	c 33	N83-24763
Wind tunnel			Helmet weight simulator			Elastomer toughened polyimide adhesives		
[NASA-CASE-LAR-10135-1]	c 09	N79-21083	[NASA-CASE-LAR-12320-1]	c 54	N81-27806	[NASA-CASE-LAR-12775-1]	c 27	N83-28240
Fatigue failure load indicator			Indirect microbial detection			Solar driven liquid metal MHD power generator		
[NASA-CASE-LAR-12027-1]	c 39	N79-22537	[NASA-CASE-LAR-12520-1]	c 51	N81-28698	[NASA-CASE-LAR-12495-1]	c 44	N83-28573
Filtering technique based on high-frequency plant modeling for high-gain control			Rim inertial measuring system			Stirling cycle cryogenic cooler		
[NASA-CASE-LAR-12215-1]	c 08	N79-23097	[NASA-CASE-LAR-12052-1]	c 18	N81-29152	[US-PATENT-4,389,849]	c 44	N83-28574
Electrochemical detection device			Tackifier for addition polyimides containing monoethylphthalate			Instrument for determining coincidence and elapse time between independent sources of random sequential events		
[NASA-CASE-LAR-11922-1]	c 25	N79-24073	[NASA-CASE-LAR-12642-1]	c 27	N81-29229	[NASA-CASE-LAR-12531-1]	c 35	N83-29651
High-temperature microphone system			Automated syringe sampler			Flow resistivity instrument		
[NASA-CASE-LAR-12375-1]	c 32	N79-24203	[NASA-CASE-LAR-12308-1]	c 35	N81-29407	[NASA-CASE-LAR-13053-1]	c 43	N83-29783
Magnetic suspension and pointing system			Method of making a partial interlaminar separation composite system			Vibration isolation and pressure compensation apparatus for sensitive instrumentation		
[NASA-CASE-LAR-11889-1]	c 35	N79-26372	[NASA-CASE-LAR-12065-2]	c 24	N81-33235	[NASA-CASE-LAR-12728-1]	c 35	N83-32026
Seat cushion to provide realistic acceleration cues to aircraft simulator pilot			Wind tunnel supplementary Mach number minimum section insert			Fixture for environmental exposure of structural materials under compression load		
[NASA-CASE-LAR-12149-2]	c 09	N79-31228	[NASA-CASE-LAR-12532-1]	c 09	N82-11088	[NASA-CASE-LAR-12602-1]	c 39	N83-32081
Mixed diamines for lower melting addition polyimide preparation and utilization			Aluminum ion-containing polyimide adhesives			Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups		
[NASA-CASE-LAR-12054-1]	c 27	N79-33316	[NASA-CASE-LAR-12640-1]	c 27	N82-11206	[NASA-CASE-LAR-12838-1]	c 27	N83-34040
Displacement probes with self-contained exciting medium			Small conductive particle sensor			Solvent resistant thermoplastic aromatic poly(imidesulfone) and process for preparing same		
[NASA-CASE-LAR-11690-1]	c 35	N80-14371	[NASA-CASE-LAR-12552-1]	c 35	N82-11431	[NASA-CASE-LAR-12858-1]	c 27	N83-34041
Crystalline polyimides			Large volume multiple-path nuclear pumped laser			Heating and cooling system		
[NASA-CASE-LAR-12099-1]	c 27	N80-16158	[NASA-CASE-LAR-12592-1]	c 36	N82-13415	[NASA-CASE-LAR-12393-1]	c 34	N83-34221
Laser Doppler velocity simulator			Moving body velocity arresting line			Variable anodic thermal control coating		
[NASA-CASE-LAR-12176-1]	c 36	N80-16321	[NASA-CASE-LAR-12372-1]	c 37	N82-18601	[NASA-CASE-LAR-12719-1]	c 44	N83-34449
Static pressure orifice system testing method and apparatus			Air removal device			Explosively activated egress area		
[NASA-CASE-LAR-12269-1]	c 35	N80-18358	[NASA-CASE-XLA-08914-2]	c 25	N82-21269	[NASA-CASE-LAR-12624-1]	c 01	N83-35992
Radar target for remotely sensing hydrological phenomena			Metric half-span model support system			Error correction method and apparatus for electronic timepieces		
[NASA-CASE-LAR-12344-1]	c 43	N80-18498	[NASA-CASE-LAR-12441-1]	c 09	N82-23254	[NASA-CASE-LAR-12654-1]	c 33	N83-36357
Solar cell angular position transducer			Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands			Family of airfoil shapes for rotating blades		
[NASA-CASE-LAR-11999-1]	c 44	N80-18552	[NASA-CASE-LAR-12412-1]	c 08	N82-24205	[NASA-CASE-LAR-12843-1]	c 02	N84-11136
			Image readout device with electronically variable spatial resolution			Metal matrix composite structural panel construction		
			[NASA-CASE-LAR-12633-1]	c 33	N82-24416	[NASA-CASE-LAR-12807-1]	c 24	N84-11214
			Hot foil transducer skin friction sensor					
			[NASA-CASE-LAR-12321-1]	c 35	N82-24470			

Solar powered aircraft [NASA-CASE-LAR-12615-1]	c 05	N84-12154	Reusable thermal cycling clamp [NASA-CASE-LAR-12868-1]	c 37	N85-21651	Vibration-free Raman Doppler velocimeter [NASA-CASE-LAR-13268-1]	c 35	N87-14669
Low energy electron magnetometer using a monoenergetic electron beam [NASA-CASE-LAR-12706-1]	c 35	N84-12444	Phenoxy resins containing pendent ethynyl groups and cured resins obtained therefrom [NASA-CASE-LAR-13262-1]	c 23	N85-28973	Geometries for roughness shapes in laminar flow [NASA-CASE-LAR-13255-1]	c 02	N87-16793
Ride quality meter [NASA-CASE-LAR-12882-1]	c 35	N84-12445	Induction heating gun [NASA-CASE-LAR-13181-1]	c 31	N85-29083	Over-the-wing propeller [NASA-CASE-LAR-13134-2]	c 07	N87-16828
Vertical shaft windmill [NASA-CASE-LAR-12923-1]	c 37	N84-12493	Daze fasteners [NASA-CASE-LAR-13009-1]	c 37	N85-29285	Single frequency multitransmitter telemetry [NASA-CASE-LAR-13006-1]	c 17	N87-16863
Magnetic heading reference [NASA-CASE-LAR-12638-1]	c 04	N84-14132	Precision manipulator heating and cooling apparatus for use in UHV systems with sample transfer capability [NASA-CASE-LAR-13040-1]	c 37	N85-29286	Ethynyl terminated ester oligomers and polymers therefrom [NASA-CASE-LAR-13118-2]	c 27	N87-16907
Hot melt recharge system [NASA-CASE-LAR-12881-1]	c 27	N84-14323	Dual differential interferometer [NASA-CASE-LAR-12966-1]	c 35	N85-30282	Airplane automatic control force trimming device for asymmetric engine failures [NASA-CASE-LAR-13280-1]	c 08	N87-20999
Self-correcting electronically scanned pressure sensor [NASA-CASE-LAR-12686-1]	c 35	N84-14491	Mechanical fastener [NASA-CASE-LAR-12738-2]	c 37	N85-30335	Measurement apparatus and procedure for the determination of surface emissivities [NASA-CASE-LAR-13455-1]	c 32	N87-21206
Apparatus and method for jet noise suppression [NASA-CASE-LAR-11903-2]	c 71	N84-14873	Self-locking mechanical center joint [NASA-CASE-LAR-12864-1]	c 37	N85-30336	Comparator with noise suppression [NASA-CASE-LAR-13151-1]	c 33	N87-21235
Missile rolling tail brake torque system [NASA-CASE-LAR-12751-1]	c 15	N84-16231	Method for thermal monitoring subcutaneous tissue [NASA-CASE-LAR-13028-1]	c 52	N85-30618	Acoustic guide for noise-transmission testing of aircraft [NASA-CASE-LAR-13111-1-CU]	c 71	N87-21652
Rotary target V-block [NASA-CASE-LAR-12007-3]	c 35	N84-16523	Method for determining the point of zero zeta potential of semiconductor [NASA-CASE-LAR-12893-1]	c 76	N85-30923	Acoustic radiation stress measurement [NASA-CASE-LAR-13440-1]	c 71	N87-21653
Solar pumped laser [NASA-CASE-LAR-12870-1]	c 36	N84-16542	Process for improving moisture resistance of epoxy resins by addition of chromium ions [NASA-CASE-LAR-13226-1]	c 27	N85-34282	Aircraft control position indicator [NASA-CASE-LAR-12884-1]	c 06	N87-22678
Powder fed sheared dispersal particle generator [NASA-CASE-LAR-12785-1]	c 37	N84-16561	Tensile testing apparatus [NASA-CASE-LAR-13243-1]	c 35	N85-34375	Polynamines from aromatic diacetylenic diketones and diamines [NASA-CASE-LAR-13444-1-CU]	c 27	N87-22847
Slotted variable camber flap [NASA-CASE-LAR-12541-1]	c 05	N84-22551	Wingtip vortex propeller [NASA-CASE-LAR-13019-1]	c 07	N85-35194	Process for crosslinking and extending conjugated diene-containing polymers [NASA-CASE-LAR-13452-1]	c 27	N87-22848
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups [NASA-CASE-LAR-12723-2]	c 27	N84-22746	Dual towline spin-recovery device [NASA-CASE-LAR-13076-1]	c 08	N85-35200	Daze fasteners [NASA-CASE-LAR-13009-2]	c 37	N87-22976
Ethynyl and substituted ethynyl-terminated polysulfones [NASA-CASE-LAR-12931-1]	c 27	N84-22747	Technique for measuring gas conversion factors [NASA-CASE-LAR-13220-1]	c 34	N86-12547	Apparatus and procedure to detect a liquid-solid interface during crystal growth in a bridgman furnace [NASA-CASE-LAR-13597-1-CU]	c 25	N87-23713
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Ultrasonic transducer with Gaussian radial pressure distribution [NASA-CASE-LAR-12967-1]	c 35	N84-22932	Process of end-capping a polyimide system [NASA-CASE-LAR-13135-1]	c 27	N86-19456	Adjustable mount for electro-optic transducers in an evacuated cryogenic system [NASA-CASE-LAR-13100-1]	c 37	N87-23982
Acoustic ground impedance meter [NASA-CASE-LAR-12995-1]	c 35	N84-22933	Sequentially deployable maneuverable tetrahedral beam [NASA-CASE-LAR-13098-1]	c 31	N86-19479	Fully redundant mechanical release actuator [NASA-CASE-LAR-13198-1]	c 37	N87-23983
Photoelectrochemical cells including chalcogenophosphate photoelectrodes [NASA-CASE-LAR-12958-1]	c 44	N84-23019	High temperature polyimide film laminates and process for preparation thereof [NASA-CASE-LAR-13384-1]	c 27	N86-20561	Polyimides containing carbonyl and ether connecting groups [NASA-CASE-LAR-13633-1]	c 27	N87-24575
Heads up display [NASA-CASE-LAR-12630-1]	c 06	N84-27733	Auto covariance computer [NASA-CASE-LAR-12968-1]	c 60	N86-21154	Airfoil flutter model suspension system [NASA-CASE-LAR-13522-1-SB]	c 09	N87-25334
Shell tile thermal protection system [NASA-CASE-LAR-12862-1]	c 27	N84-27886	Ultrasonic angle beam standard reflector [NASA-CASE-LAR-13153-1]	c 71	N86-21276	Oxygen diffusion barrier coating [NASA-CASE-LAR-13474-1-SB]	c 26	N87-25455
Strain gage calibration [NASA-CASE-LAR-12743-1]	c 35	N84-28019	Ethynyl and substituted ethynyl-terminated polysulfones [NASA-CASE-LAR-12931-2]	c 27	N86-21675	Process for developing crystallinity in linear aromatic polyimides [NASA-CASE-LAR-13732-1]	c 27	N87-25474
Directional gear ratio transmissions [NASA-CASE-LAR-12644-1]	c 37	N84-28084	Drop foot corrective device [NASA-CASE-LAR-12259-2]	c 54	N86-22112	Deployable geodesic truss structure [NASA-CASE-LAR-13113-1]	c 31	N87-25492
Tubing and cable cutting tool [NASA-CASE-LAR-12786-1]	c 37	N84-28085	Poly(carbonate-mide) polymer [NASA-CASE-LAR-13292-1]	c 27	N86-24841	Miniature remote dead weight calibrator [NASA-CASE-LAR-13564-1]	c 35	N87-25558
Radionuclide counting technique for measuring wind velocity and direction [NASA-CASE-LAR-12971-1]	c 47	N84-28292	Synchronously deployable truss structure [NASA-CASE-LAR-13117-1]	c 37	N86-25789	Vapor fragrances [NASA-CASE-LAR-13680-1]	c 35	N87-25561
Medical clip [NASA-CASE-LAR-12650-1]	c 52	N84-28388	Latching mechanism for deployable/re-stowable columns useful in satellite construction [NASA-CASE-LAR-13169-1]	c 37	N86-25791	Preloaded space structural coupling joints [NASA-CASE-LAR-13489-1]	c 18	N87-27713
Process of making medical clip [NASA-CASE-LAR-12650-2]	c 52	N84-28389	Aircraft lifter [NASA-CASE-LAR-12518-1]	c 06	N86-27280	Lightweight piston [NASA-CASE-LAR-13150-1]	c 24	N87-27742
Shapes for rotating airfoils [NASA-CASE-LAR-12396-1]	c 02	N84-28732	Sulfone-ester polymers containing pendent ethynyl groups [NASA-CASE-LAR-13316-1]	c 27	N86-27450	Semi-2-interpenetrating networks of high temperature systems [NASA-CASE-LAR-13450-1]	c 27	N87-28657
A system for controlling the oxygen content of a gas produced by combustion [NASA-CASE-LAR-13257-1]	c 25	N84-32447	Optimized bolted joint [NASA-CASE-LAR-13250-1]	c 37	N86-27630	Flat-panel, full-color, electroluminescent display [NASA-CASE-LAR-13407-1]	c 33	N87-28831
Helicopter anti-torque system using strakes [NASA-CASE-LAR-13233-1]	c 05	N84-33400	Process for preparing essentially colorless polyimide film containing phenoxy-linked diamines [NASA-CASE-LAR-13353-1]	c 27	N86-29039	Device for quick changeover between wind tunnel force and pressure testing [NASA-CASE-LAR-13512-1]	c 35	N87-28884
Curved cap corrugated sheet [NASA-CASE-LAR-12884-1]	c 18	N84-33450	Nebulization reflux concentrator [NASA-CASE-LAR-13254-1-CU]	c 35	N86-29174	Mobile remote manipulator vehicle system [NASA-CASE-LAR-13393-1]	c 54	N87-29118
Model mount system for testing flutter [NASA-CASE-LAR-12950-1]	c 09	N84-34448	Long gain length solar pumped box laser [NASA-CASE-LAR-13256-1]	c 36	N86-29204	Procedure to prepare transparent silica gels [NASA-CASE-LAR-13476-1-CU]	c 76	N87-29360
Process for improving mechanical properties of epoxy resins by addition of cobalt ions [NASA-CASE-LAR-13230-1]	c 24	N84-34571	Process for preparing highly optically transparent/colorless aromatic polyimide film [NASA-CASE-LAR-13351-1]	c 27	N86-31727	Braille reading system [NASA-CASE-LAR-13306-1]	c 82	N87-29372
Leading edge flap system for aircraft control augmentation [NASA-CASE-LAR-12787-2]	c 08	N85-19985	Polyarylene ethers with improved properties [NASA-CASE-LAR-13555-1]	c 23	N86-32526	Space vehicle thermal rejection system [NASA-CASE-LAR-13738-1]	c 18	N87-29586
Thermoset-thermoplastic aromatic polyamide containing N-propargyl groups [NASA-CASE-LAR-12723-1]	c 27	N85-20123	Remotely controllable mixing system [NASA-CASE-MFS-28153-1]	c 31	N86-32589	Elevated temperature aluminum alloys [NASA-CASE-LAR-13632-1]	c 26	N87-29650
Process for preparing solvent resistant, thermoplastic aromatic polyimidesulfone [NASA-CASE-LAR-12858-2]	c 27	N85-20124	Two-axis, self-nulling skin friction balance [NASA-CASE-LAR-13294-1]	c 35	N86-32696	Combined ratchet and lebu drag reduction system [NASA-CASE-LAR-13286-1]	c 02	N88-14071
Hot melt adhesive attachment pad [NASA-CASE-LAR-12894-1]	c 27	N85-20125	Deployable M-braced truss structure [NASA-CASE-LAR-13081-1]	c 37	N86-32737	Lightning discharge protection rod [NASA-CASE-LAR-13470-1]	c 03	N88-14083
Miniature electrooptical air flow sensor [NASA-CASE-LAR-13065-1]	c 35	N85-20295	Remote pivot decoupler pylon: Wing/store flutter suppressor [NASA-CASE-LAR-13173-1]	c 05	N87-14314	Tool and process for miniature explosive joining of tubes [NASA-CASE-LAR-13662-1]	c 37	N88-14359
Extended moment arm anti-spin device [NASA-CASE-LAR-12979-1]	c 05	N85-21147	The 5-(4-Ethynylphenoxy) isophthalic chloride [NASA-CASE-LAR-13316-2]	c 27	N87-14515	Device for measuring hole elongation in a bolted joint [NASA-CASE-LAR-13453-1]	c 37	N88-14361
Continuous laminar smoke generator [NASA-CASE-LAR-13014-1]	c 09	N85-21178	Acetylene (ethynyl) terminated polyimide siloxane and process for preparation thereof [NASA-CASE-LAR-13318-1]	c 27	N87-14516	Polyether-polyester graft copolymer [NASA-CASE-LAR-13447-1]	c 27	N88-18725
Elastomer toughened polyimide adhesives [NASA-CASE-LAR-12775-2]	c 27	N85-21349	Double reference pulsed phase locked loop [NASA-CASE-LAR-13310-1]	c 32	N87-14559	Crossflow vorticity sensor [NASA-CASE-LAR-13436-1-CU]	c 02	N88-23759
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[NASA-CASE-LAR-13511-1] c 05 N88-23765
- Helicopter anti-torque system using fuselage strakes
[NASA-CASE-LAR-13630-1] c 08 N88-23809
- Space spider crane
[NASA-CASE-LAR-13411-1-SB] c 18 N88-23828
- Arc lamp power supply using a voltage multiplier
[NASA-CASE-LAR-13202-1] c 33 N88-23942
- Mining volume measurement system
[NASA-CASE-LAR-13519-1] c 35 N88-23963
- Bearing-bypass material system test
[NASA-CASE-LAR-13458-1] c 35 N88-23967
- Composite piston
[NASA-CASE-LAR-13435-1] c 37 N88-23981
- Variable response load limiting device
[NASA-CASE-LAR-12801-1] c 37 N88-23982
- Radio Frequency (RF) strain monitor
[NASA-CASE-LAR-13705-1] c 39 N88-25011
- Phase length optical phase-locked-loop sensor
[NASA-CASE-LAR-13387-1] c 74 N88-25302
- Method and device for determining heats of combustion of gaseous hydrocarbons
[NASA-CASE-LAR-13528-1] c 25 N88-29002
- Ice detector
[NASA-CASE-LAR-13776-1] c 35 N88-29149
- Liquid thickness gauge
[NASA-CASE-LAR-13826-1] c 35 N88-29150
- Method of attaching strain gauges to various materials
[NASA-CASE-LAR-13797-1] c 35 N88-30108
- Ultrasonic method and apparatus for determining crack opening load
[NASA-CASE-LAR-13889-1] c 39 N88-30160
- Control surface actuator
[NASA-CASE-LAR-12852-1] c 05 N89-11738
- Polyphenylquinoxalines via aromatic nucleophilic displacement
[NASA-CASE-LAR-13988-1] c 23 N89-11814
- Method for laminar boundary layer transition visualization in flight
[NASA-CASE-LAR-13554-1] c 02 N89-12551
- Polynamines from aromatic diacetylenic diketones and diamines
[NASA-CASE-LAR-13444-2-CU] c 23 N89-12667
- Cryogenic insulation system
[NASA-CASE-LAR-13506-1] c 27 N89-12741
- Truss-core corrugation for compressive loads
[NASA-CASE-LAR-13438-1] c 31 N89-12786
- Porous plug for reducing orifice induced pressure error in airfoils
[NASA-CASE-LAR-13569-1] c 35 N89-12841
- Pultrusion die assembly
[NASA-CASE-LAR-13719-1] c 37 N89-12867
- High lift, low pitching moment airfoils
[NASA-CASE-LAR-13215-1] c 02 N89-14224
- Polyphenylquinoxalines containing alkylendioxy groups
[NASA-CASE-LAR-13601-1-CU] c 27 N89-14337
- Frequency domain laser velocimeter signal processor
[NASA-CASE-LAR-13552-1-CU] c 33 N89-14385
- Ultrasonic depth gauge for liquids under high pressure
[NASA-CASE-LAR-13300-1-CU] c 35 N89-14407
- Pressure measuring probe
[NASA-CASE-LAR-13853-1] c 35 N89-14423
- Method and system for monitoring and displaying engine performance parameters
[NASA-CASE-LAR-14049-1] c 07 N89-23466
- Antenna surface contour control system
[NASA-CASE-LAR-13798-1] c 32 N89-25363
- Aluminum alloy
[NASA-CASE-LAR-13924-1-CU] c 26 N89-28621
- Almond test body
[NASA-CASE-LAR-13747-1-CU] c 32 N89-28672
- Method and circuit for shaping laser output pulses
[NASA-CASE-LAR-14203-1] c 36 N89-28817
- Novel polyimide compositions based on 4,4'-isophthaloyldiphthalic anhydride (IDPA)
[NASA-CASE-LAR-14194-1] c 24 N90-15148
- Ignitability test method and apparatus
[NASA-CASE-LAR-13996-1-SB] c 25 N90-15161
- Wet spinning of solid polyamic acid fibers
[NASA-CASE-LAR-14162-1] c 27 N90-15259
- A two-stage earth-to-orbit transport with translating oblique wings for booster recovery
[NASA-CASE-LAR-14156-1] c 16 N90-16781
- Copolyimide with a combination of flexibilizing groups
[NASA-CASE-LAR-13821-1] c 27 N90-16950
- Skin friction balance
[NASA-CASE-LAR-13710-1] c 35 N90-17117
- Dual-fuel, dual-mode rocket engine
[NASA-CASE-LAR-13773-1] c 20 N90-19298
- Method for maintaining precise suction strip porosities
[NASA-CASE-LAR-13638-1] c 31 N90-19427
- Method and apparatus for detecting laminar flow separation and reattachment
[NASA-CASE-LAR-13952-1-SB] c 34 N90-19534
- Compression pylon
[NASA-CASE-LAR-13777-1] c 05 N90-20078
- Passive venting technique for shallow cavities
[NASA-CASE-LAR-14031-1] c 05 N90-20079
- Airplane takeoff and landing performance monitoring system
[NASA-CASE-LAR-13734-1-CU] c 09 N90-20096
- Isotope exchange in oxide-containing catalyst
[NASA-CASE-LAR-13542-2-SB] c 25 N90-20154
- Process for making a noble metal on tin oxide catalyst
[NASA-CASE-LAR-13741-1-SB] c 25 N90-20180
- Electronic precipitator control
[NASA-CASE-LAR-13273-2] c 33 N90-20320
- Reusable high-temperature heat pipes and heat pipe panels
[NASA-CASE-LAR-13761-1] c 34 N90-20323
- Tensile film clamps and mounting block for the rheovibron and autovibron viscoelastometer
[NASA-CASE-LAR-13696-1] c 37 N90-20409
- Bis(4-(3,4-dimethylenepyrrolidyl)-phenyl) methane
[NASA-CASE-LAR-13965-1-CU] c 23 N90-21118
- Magneto acoustic emission apparatus for testing materials for embrittlement
[NASA-CASE-LAR-13817-1] c 26 N90-21170
- Process for crosslinking methylene-containing aromatic polymers with ionizing radiation
[NASA-CASE-LAR-13448-1] c 27 N90-21198
- Pressure rig for repetitive casting
[NASA-CASE-LAR-14050-1] c 31 N90-21216
- Rapidly quantifying the relative distention of a human bladder
[NASA-CASE-LAR-13901-1-NP] c 52 N90-21519
- Impact tolerant material
[NASA-CASE-LAR-12887-3] c 24 N90-21822
- Device for quickly sensing the amount of O₂ in a combustion product gas
[NASA-CASE-LAR-13816-1] c 35 N90-22025
- Lightweight piston architecture
[NASA-CASE-LAR-13926-1] c 37 N90-22042
- Earth-to-orbit vehicle providing a reusable orbital stage
[NASA-CASE-LAR-13486-1] c 16 N90-22584
- Quantitative surface temperature measurement using two-color thermographic phosphors and video equipment
[NASA-CASE-LAR-13740-1] c 35 N90-22770
- Actuated forebody strakes
[NASA-CASE-LAR-13983-1] c 05 N90-23390
- Catalyst for carbon monoxide oxidation
[NASA-CASE-LAR-14155-1-SB] c 25 N90-23517
- Nonintrusive method and apparatus for monitoring the cure of polymeric materials
[NASA-CASE-LAR-13465-1] c 27 N90-23544
- Acetylene terminated aspartimides and resins, therefrom
[NASA-CASE-LAR-14188-1] c 27 N90-23545
- Process for lowering the dielectric constant of polyimides using diamic acid additives
[NASA-CASE-LAR-13902-1] c 27 N90-23546
- Circumferential pressure probe
[NASA-CASE-LAR-13775-1] c 35 N90-23706
- Miniaturization of flight deflection measurement system
[NASA-CASE-LAR-13628-1] c 35 N90-23707
- Real-time simulation clock
[NASA-CASE-LAR-14056-1] c 35 N90-23713
- Cable suspended windmill
[NASA-CASE-LAR-13434-1] c 37 N90-23742
- Method of radiographic inspection of wooden members
[NASA-CASE-LAR-13724-1] c 38 N90-23756
- Method and apparatus for determining optical absorption and emission characteristics of a crystal or non-crystalline fiber
[NASA-CASE-LAR-13963-1] c 76 N90-24150
- Method of forming a multiple layer dielectric and a hot film sensor therewith
[NASA-CASE-LAR-13678-1] c 76 N90-24168
- Seamless metal-clad fiber-reinforced organic matrix composite structures and process for their manufacture
[NASA-CASE-LAR-13562-1] c 24 N90-25196
- Method of insulating predesigned disbond areas into composite laminates
[NASA-CASE-LAR-13225-1] c 24 N90-25197
- A tough performance simultaneous semi-interpenetrating polymer network
[NASA-CASE-LAR-14339-1] c 27 N90-26955
- Aromatic polyimides containing a dimethylsilane-linked dianhydride
[NASA-CASE-LAR-14198-1] c 27 N90-26956
- Hydrodynamic skin-friction reduction
[NASA-CASE-LAR-14078-1-CU] c 34 N90-27071
- Suspension mechanism and method
[NASA-CASE-LAR-14142-1] c 37 N90-27116
- Polymer/riblet combination for hydrodynamic skin friction reduction
[NASA-CASE-LAR-14271-1-CU] c 27 N91-13558
- Tissue simulating gel for medical research
[NASA-CASE-LAR-14036-1] c 27 N91-13562
- Real-time dynamic holographic image storage device
[NASA-CASE-LAR-13989-1] c 35 N91-13694
- Wingtip vortex turbine
[NASA-CASE-LAR-14116-1] c 05 N91-14345
- Electro-optical spin measurement system
[NASA-CASE-LAR-13629-1] c 09 N91-14356
- Method and apparatus for determining time, direction, and composition of impacting space particles
[NASA-CASE-LAR-13392-1-CU] c 19 N91-14412
- Bis (4-(3,4-dimethylene-pyrrolidyl)-phenyl) methane
[NASA-CASE-LAR-13965-2-CU] c 23 N91-14418
- N-(3-ethynylphenyl)maleimide
[NASA-CASE-LAR-14188-2] c 23 N91-14419
- Delamination test apparatus and method
[NASA-CASE-LAR-13985-1] c 24 N91-14430
- Active control of boundary layer transition and turbulence
[NASA-CASE-LAR-13532-1] c 34 N91-14562
- Thermal compensating mount
[NASA-CASE-LAR-14207-1] c 35 N91-14590
- Mechanical end joint system for connecting structural column elements
[NASA-CASE-LAR-14465-1] c 37 N91-14614
- Spiral lead platen robotic end effector
[NASA-CASE-LAR-13855-1] c 37 N91-14615
- Processable polyimide adhesive and matrix composite resin
[NASA-CASE-LAR-14101-1] c 27 N91-15403
- Clevis joint for deployable space structures
[NASA-CASE-LAR-13898-1] c 37 N91-15544
- Torsional suspension system for testing space structures
[NASA-CASE-LAR-14149-1-SB] c 14 N91-21176
- Catalyst for carbon monoxide oxidation
[NASA-CASE-LAR-14155-2-SB] c 25 N91-21270
- Heat tube device
[NASA-CASE-KSC-11395-1-CU] c 34 N91-21473
- Single element magnetic suspension actuator
[NASA-CASE-LAR-13981-1] c 37 N91-21539
- Mechanical strain isolator mount
[NASA-CASE-LAR-13580-1] c 37 N91-21541
- Permanent magnet flux-biased magnetic actuator with flux feedback
[NASA-CASE-LAR-13785-1] c 70 N91-21824
- Enhanced single layer multi-color or luminescent display with coactivators
[NASA-CASE-LAR-14181-1] c 76 N91-21911
- Passive laminar flow control of crossflow vorticity
[NASA-CASE-LAR-13563-1] c 34 N91-23410
- Process for the manufacture of seamless metal-clad fiber-reinforced organic matrix composite structures
[NASA-CASE-LAR-13562-2] c 24 N91-25199
- Preparing composite materials from matrices of processable aromatic polyimide thermoplastic blends
[NASA-CASE-LAR-14107-1] c 24 N91-25200
- Selectable towline spin chute system
[NASA-CASE-LAR-14322-1] c 02 N91-27139
- Passive venting technique for shallow cavities
[NASA-CASE-LAR-13875-1] c 05 N91-27156
- Synchronously deployable double fold beam and planar truss structure
[NASA-CASE-LAR-13490-1] c 18 N91-27199
- Low dielectric fluorinated poly(phenylene ether ketone) film and coating
[NASA-CASE-LAR-13992-1-CU] c 23 N91-27220
- Wet spinning of solid polyamic acid fibers
[NASA-CASE-LAR-14489-1] c 37 N91-27562
- Sound attenuation apparatus
[NASA-CASE-LAR-13968-1] c 71 N91-27913
- Method and apparatus for characterizing reflected ultrasonic pulses
[NASA-CASE-LAR-13966-1] c 71 N91-27914
- Slow positron beam generator for lifetime studies
[NASA-CASE-LAR-14250-1-SB] c 72 N91-27936
- Improved method and apparatus for Mach number change in wind tunnel
[NASA-CASE-LAR-13548-1] c 09 N91-28175
- Airplane takeoff and landing performance monitoring system
[NASA-CASE-LAR-13854-1-CU] c 04 N91-31120
- Rotatable non-circular forebody flow controller
[NASA-CASE-LAR-14212-1-CU] c 05 N91-31140
- Ethynyl terminated imidothioethers and resins therefrom
[NASA-CASE-LAR-13910-2-CU] c 27 N91-31307
- Apparatus and method for explosive bonding to edge of flyer plate
[NASA-CASE-LAR-14096-1] c 31 N91-31476
- Method and apparatus for detecting laminar flow separation and reattachment
[NASA-CASE-LAR-13952-2-SB] c 34 N91-31596
- Single layer multi-color luminescent display
[NASA-CASE-LAR-13616-1] c 74 N91-31950

- Ignitability test method and apparatus
[NASA-CASE-LAR-14454-1] c 25 N91-32196
Shuttle orbiter with telescoping main propulsion unit and payload
[NASA-CASE-LAR-13586-1] c 16 N92-10035
Process for application of powder particles to filamentary materials
[NASA-CASE-LAR-14231-1] c 24 N92-10070
A process for preparing 1,3-diamino-5-pentafluorosulfanylbenzene and polymers therefrom
[NASA-CASE-LAR-14773-1-CU] c 27 N92-10105
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Capacitor and method of making same Patent
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Electrostatic ion engine having a permanent magnetic circuit Patent
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Method and apparatus for making curved reflectors Patent
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Method of making a diffusion bonded refractory coating Patent
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Black-body furnace Patent
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Method of igniting solid propellants Patent
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Fluid dispensing apparatus and method Patent
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Method of making a rocket motor casing Patent
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Rocket motor casing Patent
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Electrostatic ion rocket engine Patent
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High temperature cobalt-base alloy Patent
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Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
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Method of improving the reliability of a rolling element system Patent
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Process of casting heavy slips Patent
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Boiler for generating high quality vapor Patent
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Method of making self lubricating fluoride-metal composite materials Patent
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Thrust and direction control apparatus Patent
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Method of lubricating rolling element bearings Patent
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Hot wire liquid level detector for cryogenic fluids Patent
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Foil seal Patent
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Generator for a space power system Patent
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Method of making electrical contact on silicon solar cell and resultant product Patent
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Small plasma probe Patent
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Combined electrolysis device and fuel cell and method of operation Patent
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Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
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Control of transverse instability in rocket combustors Patent
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High voltage divider system Patent
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Plasma device feed system Patent
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Burning rate control of solid propellants Patent
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Protective device for machine and metalworking tools Patent
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Cryogenic insulation system Patent
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Method for producing fiber reinforced metallic composites Patent
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Thermal shock apparatus Patent
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Arc electrode of graphite with ball tip Patent
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Gas purged dry box glove Patent
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Automatic recording McLeod gauge Patent
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Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
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High temperature ferromagnetic cobalt-base alloy Patent
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Induction furnace with perforated tungsten foil shielding Patent
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Superconducting alternator Patent
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Silicon solar cell with cover glass bonded to cell by metal pattern Patent
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Analytical test apparatus and method for determining oxide content of alkali metal Patent
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Thermionic converter with current augmented by self induced magnetic field Patent
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Metallic film diffusion for boundary lubrication Patent
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Process for producing dispersion strengthened nickel with aluminum Patent
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Thermal radiation shielding Patent
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Method of attaching a cover glass to a silicon solar cell Patent
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Flow angle sensor and read out system Patent
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Shock tube powder dispersing apparatus Patent
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Pneumatic oscillator Patent
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Heat activated cell with alkali anode and alkali salt electrolyte Patent
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Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
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Ion beam deflector Patent
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Process for glass coating an ion accelerator grid Patent
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[NASA-CASE-LEW-15241-1] c 24 N94-20539
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[NASA-CASE-LEW-15614-1] c 72 N94-23825
- High temperature, oxidation resistant noble metal-Al alloy thermocouple
[NASA-CASE-LEW-15515-1] c 35 N94-23826
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- Angular measurement system Patent
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[NASA-CASE-XMF-00341] c 15 N70-33323
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- Pivotal shock absorbing pad assembly Patent
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- Gimbaled, partially submerged rocket nozzle Patent
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- Recoverable rocket vehicle Patent
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[NASA-CASE-XMF-00462] c 14 N70-34298
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[NASA-CASE-XMF-00456] c 14 N70-34705
- Seismic displacement transducer Patent
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- Printed cable connector Patent
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- Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
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[NASA-CASE-XMF-01129] c 09 N70-38712
- Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
- Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896
- Instrument support with precise lateral adjustment Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
- Segmented back-up bar Patent
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- Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
- Missile launch release system Patent
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Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582

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[NASA-CASE-XMF-01030] c 18 N70-41583

Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655

Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677

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[NASA-CASE-XMF-02822] c 14 N70-41994

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[NASA-CASE-XMF-03248] c 11 N71-10604

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[NASA-CASE-XMF-02433] c 14 N71-10616

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[NASA-CASE-XMF-00442] c 31 N71-10747

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[NASA-CASE-XMF-05843] c 03 N71-11055

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[NASA-CASE-MFS-13994-1] c 06 N71-11240

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[NASA-CASE-XMF-01160] c 07 N71-11298

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[NASA-CASE-MFS-14671] c 05 N71-12341

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[NASA-CASE-XMF-05835] c 08 N71-12504

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[NASA-CASE-XMF-06519] c 09 N71-12519

Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486

Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565

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[NASA-CASE-XMF-01598] c 21 N71-15583

Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607

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[NASA-CASE-XMF-04709] c 15 N71-15609

Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660

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[NASA-CASE-XMF-03169] c 31 N71-15675

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[NASA-CASE-XMF-03498] c 15 N71-15986

Regenerative braking system Patent
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Condition and condition duration indicator Patent
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Method and apparatus for securing to a spacecraft Patent
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Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223

Passive optical wind and turbulence detection system Patent
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[NASA-CASE-XMF-05344] c 31 N71-16345

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[NASA-CASE-XMF-05844] c 14 N71-17587

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[NASA-CASE-MFS-12806] c 14 N71-17588

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[NASA-CASE-MFS-12915] c 11 N71-17600

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[NASA-CASE-XMF-01667] c 15 N71-17647

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[NASA-CASE-MFS-11132] c 15 N71-17649

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[NASA-CASE-XMF-05114] c 15 N71-17650

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[NASA-CASE-XMF-01543] c 31 N71-17730

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[NASA-CASE-XMF-01016] c 26 N71-17818

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[NASA-CASE-MFS-20410] c 15 N71-19214

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[NASA-CASE-XMF-06065] c 15 N71-20395

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[NASA-CASE-XMF-04133] c 06 N71-20717

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[NASA-CASE-XMF-02584] c 06 N71-20905

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[NASA-CASE-XMF-01402] c 18 N71-21651

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[NASA-CASE-XMF-03511] c 15 N71-22799

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[NASA-CASE-XMF-14301] c 09 N71-23188

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[NASA-CASE-XMF-06515] c 14 N71-23227

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[NASA-CASE-XMF-08804] c 09 N71-24717

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[NASA-CASE-XMF-06892] c 09 N71-24805

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[NASA-CASE-MFS-14114-2] c 09 N71-24807

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[NASA-CASE-XMF-03793] c 15 N71-24833

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[NASA-CASE-XMF-05114-3] c 15 N71-24865

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[NASA-CASE-MFS-20395] c 15 N71-24903

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[NASA-CASE-MFS-20385] c 09 N71-24904

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[NASA-CASE-MFS-10068] c 10 N71-25139

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[NASA-CASE-MFS-20355] c 33 N71-25353

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[NASA-CASE-MFS-20075] c 09 N71-26133

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[NASA-CASE-XMF-03844-1] c 14 N71-26474

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[NASA-CASE-MFS-20261] c 14 N71-27005

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[NASA-CASE-MFS-20130] c 28 N71-27585

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[NASA-CASE-MFS-14114] c 33 N71-27862

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[NASA-CASE-MFS-13687] c 09 N71-28691

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[NASA-CASE-XMF-05046] c 33 N71-28892

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[NASA-CASE-XMF-05999] c 15 N71-29032

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[NASA-CASE-MFS-11204] c 14 N71-29134

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[NASA-CASE-MFS-20935] c 09 N71-34212

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[NASA-CASE-MFS-20485] c 14 N71-11365

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[NASA-CASE-MFS-20249] c 15 N71-11386

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[NASA-CASE-XMF-09902] c 15 N71-11387

Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N71-11388

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[NASA-CASE-MFS-20299] c 15 N71-11392

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N71-11595

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[NASA-CASE-MFS-20509] c 11 N71-17183

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[NASA-CASE-MFS-20596] c 14 N71-17324

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[NASA-CASE-XER-08476-1] c 26 N71-17820

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[NASA-CASE-MFS-20332] c 05 N71-20097

Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N71-20446

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[NASA-CASE-ERC-10108] c 06 N71-21094

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[NASA-CASE-MFS-20829] c 12 N71-21310

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[NASA-CASE-MFS-20642] c 14 N71-21407

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[NASA-CASE-MFS-20413] c 15 N71-21463

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[NASA-CASE-MFS-14710] c 09 N71-22195

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[NASA-CASE-MFS-13687-2] c 09 N71-22198

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[NASA-CASE-MFS-20890] c 14 N71-22439

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[NASA-CASE-MFS-20482] c 15 N71-22492

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[NASA-CASE-MFS-20011] c 18 N71-22566

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[NASA-CASE-MFS-20710] c 11 N71-23215

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[NASA-CASE-MFS-13994-2] c 06 N72-25148

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[NASA-CASE-MFS-20979] c 06 N72-25151

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[NASA-CASE-MFS-21042] c 07 N72-25171

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[NASA-CASE-ERC-10224] c 09 N72-25261

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[NASA-CASE-MFS-20434] c 11 N72-25288

Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262

Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412

Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225

Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N72-28495

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- Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588
- Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N81-19015
- Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- Gas levitator having fixed levitation node for containerless processing
[NASA-CASE-MFS-25509-1] c 35 N83-24828
- Electrical power generating system
[NASA-CASE-MFS-25302-1] c 33 N83-28319
- Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N83-29303
- Method and apparatus for supercooling and solidifying substances
[NASA-CASE-MFS-25242-1] c 35 N83-29650
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N83-29680
- Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N83-31895
- Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N83-31953
- Triac failure detector
[NASA-CASE-MFS-25607-1] c 33 N83-34190
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N83-35227
- Apparatus and method for heating a material in a transparent ampoule
[NASA-CASE-MFS-25436-1] c 27 N83-36220
- Resilient seal ring assembly with spring means applying force to wedge member
[NASA-CASE-MFS-25678-1] c 37 N84-11497
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25740-1] c 52 N84-11744
- Constant-output atomizer
[NASA-CASE-MFS-25631-1] c 34 N84-12406
- Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N84-14324
- Electrical self-aligning connector
[NASA-CASE-MFS-25211-2] c 33 N84-14423
- Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N84-14424
- A dc to dc converter
[NASA-CASE-MFS-25430-1] c 33 N84-16453
- Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N84-16455
- Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N84-16560
- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-15429-1] c 18 N84-22609
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-256704-1] c 33 N84-22884
- Three phase power factor controller
[NASA-CASE-MFS-25535-2] c 33 N84-22885
- Motor power control circuit for ac induction motors
[NASA-CASE-MFS-25323-1] c 33 N84-22886
- Two-dimensional scanner apparatus
[NASA-CASE-MFS-25687-1] c 35 N84-22928
- Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N84-22929
- Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-25791-1] c 09 N84-27749
- Space Shuttle with rail system and aft thrust structure securing solid rocket boosters to external tank
[NASA-CASE-MFS-25853-1] c 16 N84-27784
- Three stage rocket vehicle with parallel staging
[NASA-CASE-MFS-25878-1] c 18 N84-27787
- Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N84-27975
- Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 35 N84-28018
- Sonic levitation apparatus
[NASA-CASE-MFS-25828-1] c 71 N84-28568
- Apparatus for measuring charged particle beam
[NASA-CASE-MFS-25641-1] c 72 N84-28575
- Coupling an induction motor type generator to ac power lines
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- Three-phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N84-33661
- Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 35 N84-33768
- Impacting device for testing insulation
[NASA-CASE-MFS-25862-2] c 37 N84-33807
- Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N85-20126
- Adjustable indicating device for load position
[NASA-CASE-MFS-28008-1] c 35 N85-20300
- Process for producing tris (n-methylamino) methylsilane
[NASA-CASE-MFS-25721-1] c 25 N85-21280
- Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N85-21769
- Power control for ac motor
[NASA-CASE-MFS-25861-1] c 33 N85-22877
- Hemispherical latching apparatus
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- Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 60 N85-33701
- Variable length strut with longitudinal compliance and locking capability
[NASA-CASE-MFS-25907-1] c 37 N85-34401
- Device and method for frictionally testing materials for ignitability
[NASA-CASE-MSC-20622-1] c 25 N86-19413
- Portable 90 degree proof loading device
[NASA-CASE-MSC-20250-1] c 35 N86-19581
- Apparatus for adapting an end effector device remotely controlled manipulator arm
[NASA-CASE-MFS-25949-1] c 37 N86-19603
- Spectral slicing X-ray telescope with variable magnification
[NASA-CASE-MFS-25942-1] c 74 N86-20124
- X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 74 N86-20126
- Space probe/satellite ejection apparatus for spacecraft
[NASA-CASE-MFS-25429-1] c 18 N86-20469
- Wind dynamic range video camera
[NASA-CASE-MFS-25750-1] c 32 N86-20647
- Amplifier for measuring low-level signals in the presence of high common mode voltage
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- High gradient directional solidification furnace
[NASA-CASE-MFS-25963-1] c 35 N86-20750
- Damping seal for turbomachinery
[NASA-CASE-MFS-25842-2] c 37 N86-20788
- Self-locking telescoping manipulator arm
[NASA-CASE-MFS-25906-1] c 37 N86-20789
- Cryogenic insulation strength and bond tester
[NASA-CASE-MFS-25910-1] c 39 N86-20841
- Optical stereo video signal processor
[NASA-CASE-MFS-25752-1] c 74 N86-21348
- Containerless high purity pulling process and apparatus for glass fiber
[NASA-CASE-MFS-25905-2] c 31 N86-21718
- Automated weld torch guidance control system
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- Multispectral glancing incidence X-ray telescope
[NASA-CASE-MFS-28013-1] c 89 N86-22459
- Shuttle-launch triangular space station
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- Fluid flow meter for measuring the rate of fluid flow in a conduit
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- Magnetic spin reduction system for free spinning objects
[NASA-CASE-MFS-25966-1] c 16 N86-26352
- Propulsion apparatus and method using boil-off gas from a cryogenic liquid
[NASA-CASE-MFS-25946-1] c 20 N86-26368
- Solid sorbent air sampler
[NASA-CASE-MSC-20653-1] c 35 N86-26595
- Planar oscillatory stirring apparatus
[NASA-CASE-MFS-26002-1-CU] c 35 N86-26598
- Angular measurement system
[NASA-CASE-MFS-25825-1] c 31 N86-29055
- Apparatus and method for inspecting a bearing ball
[NASA-CASE-MFS-25833-1] c 35 N86-32698
- Method of repairing hidden leaks in tubes
[NASA-CASE-MFS-19796-1] c 37 N86-32736
- Remotely operable peristaltic pump
[NASA-CASE-MFS-28059-1] c 37 N86-32738
- Double window viewing chamber assembly
[NASA-CASE-MFS-28057-1] c 09 N87-14355
- Low loss injector for liquid propellant rocket engines
[NASA-CASE-MFS-25989-1] c 20 N87-14420
- Emitted vibration measurement device and method
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[NASA-CASE-MFS-26000-1] c 74 N87-14971
- Non-backdrivable free wheeling coupling
[NASA-CASE-MSC-20475-1] c 37 N87-17037
- Welding torch with arc light reflector
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- Space ultra-vacuum facility and method of operation
[NASA-CASE-MFS-28139-1] c 29 N87-18679
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[NASA-CASE-MFS-28161-1] c 37 N87-18817
- Quasi-containerless glass formation method and apparatus
[NASA-CASE-MFS-28090-1] c 27 N87-21111
- Four quadrant control circuit for a brushless three-phase dc motor
[NASA-CASE-MFS-28080-1] c 33 N87-21233
- Dual motion valve with single motion input
[NASA-CASE-MFS-28058-1] c 37 N87-21332
- Self indexing latch system
[NASA-CASE-MFS-25956-1] c 37 N87-21333
- Bidirectional control system for energy flow in solar powered flywheel
[NASA-CASE-MFS-25978-1] c 44 N87-21410
- Tube coupling device
[NASA-CASE-MFS-25964-2] c 37 N87-22977
- Apparatus and method for quiescent containerless processing of high temperature metals and alloys in low gravity
[NASA-CASE-MFS-28087-1] c 35 N87-23944
- Remotely controlled spray gun
[NASA-CASE-MFS-28110-1] c 37 N87-24689
- Photorefractor ocular screening system
[NASA-CASE-MFS-26011-1-SB] c 52 N87-24874
- Method for machining holes in composite materials
[NASA-CASE-MFS-28044-1] c 31 N87-25491
- Fatigue testing a plurality of test specimens and method
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- Self-clamping arc light reflector for welding torch
[NASA-CASE-MFS-29207-1] c 74 N87-25843
- Laser schlieren crystal monitor
[NASA-CASE-MFS-28060-1] c 76 N87-25862
- Alignment and assembly tool for very large diameter cylinders
[NASA-CASE-MFS-28001-2] c 37 N88-14360
- Welding monitoring system
[NASA-CASE-MFS-29177-1] c 37 N88-14362
- Method for investigating the formation of crystals in a transparent material
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- Moving wall, continuous flow electrophoresis apparatus
[NASA-CASE-MFS-28142-1] c 25 N88-23845
- Cylindrical surface profile and diameter measuring tool and method
[NASA-CASE-MFS-28287-1] c 35 N88-23959
- Rotor self-lubricating axial stop
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- Bi-stem gripping apparatus
[NASA-CASE-MFS-28185-1] c 37 N88-23979
- Welding torch gas cup extension
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- Reconfigurable work station for a video display unit and keyboard
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- Ion generator and ion application system
[NASA-CASE-MFS-28122-1] c 72 N88-24253
- Method and apparatus for growing crystals
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- Liquid encapsulated float zone process and apparatus
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- Low temperature storage container for transporting perishables to space station
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- Planar thin film SQUID with integral flux concentrator
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- Optically controlled welding system
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- A reference standard for bidirectional reflection distribution function and bidirectional transmission distribution function measurement
[NASA-CASE-MFS-28183-1] c 74 N89-13253
- Capillary heat transport and fluid management device
[NASA-CASE-MFS-28217-1] c 34 N89-14392
- Warm fog dissipation using large volume water sprays
[NASA-CASE-MFS-25962-1] c 09 N89-25242
- Optical pressure sealing coupling apparatus
[NASA-CASE-MFS-29348-1] c 74 N89-25689
- Dual wavelength holographic interferometry system
[NASA-CASE-MFS-28242-1] c 35 N89-26202
- Spacecraft component heater control system
[NASA-CASE-MFS-28327-1] c 18 N89-28556
- Controlled method of reducing electrophoretic mobility of various substances
[NASA-CASE-MFS-26049-1-NP] c 25 N89-28603
- Universal precision sine bar attachment
[NASA-CASE-MFS-28253-1] c 37 N89-28831
- Turbomachinery shaft insert
[NASA-CASE-MFS-28345-2] c 37 N89-28842
- Method and apparatus for maintaining thermal control in plasma conditions
[NASA-CASE-MFS-28368-1] c 75 N90-10717
- Releasable clamping apparatus
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- A digitally controlled system for effecting and presenting a selected electrical resistance
[NASA-CASE-MFS-29149-1] c 33 N90-19492
- Trailer shield assembly for a welding torch
[NASA-CASE-MFS-29260-1] c 37 N90-19602
- Human serum albumin crystals and method of preparation
[NASA-CASE-MFS-28234-1] c 52 N90-20616
- Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-2] c 76 N90-20896
- Apparatus for mixing solutions in low gravity environments
[NASA-CASE-MFS-26047-1] c 29 N90-21209
- Hanging drop crystal growth apparatus and method
[NASA-CASE-MFS-28206-1-SB] c 76 N90-23242
- High temperature electric arc furnace and method
[NASA-CASE-MFS-28281-1] c 09 N90-23415
- High temperature insulation barrier composite
[NASA-CASE-MFS-29241-1] c 24 N90-23480
- Internal wire guide for GTAW welding
[NASA-CASE-MFS-29489-1] c 31 N90-23586
- Crystal growth apparatus
[NASA-CASE-MFS-28182-1] c 76 N90-24169
- Electrode carrying wire for GTAW welding
[NASA-CASE-MFS-29491-1] c 31 N90-26168
- Solidification processing of alloys using an applied electric field
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- Cryogenic anti-friction bearing with inner race
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- Variable magnification variable dispersion glancing incidence imaging x ray spectroscopic telescope
[NASA-CASE-MFS-28013-3] c 89 N90-27594
- Solder dross removal apparatus
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- Cantilever clamp fitting
[NASA-CASE-MFS-28328-1] c 37 N91-13731
- Wide acceptance angle, high concentration ratio, optical collector
[NASA-CASE-MFS-28295-1] c 74 N91-13999
- Variable magnification glancing incidence x ray telescope
[NASA-CASE-MFS-28013-2] c 89 N91-14096
- Directional solidification of superalloys
[NASA-CASE-MFS-28314-1] c 26 N91-14462
- Electrostatically suspended rotor for angular encoder
[NASA-CASE-MFS-28294-1] c 31 N91-14508
- Low-noise nozzle valve
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- Turbomachinery rotor support with damping
[NASA-CASE-MFS-28345-1] c 37 N91-14608
- System for connecting fluid couplings
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- X ray sensitive area detection device
[NASA-CASE-MFS-28232-1] c 74 N91-14835
- Piezoelectrostatic generator
[NASA-CASE-MFS-28298-1] c 76 N91-14872
- Method of fabricating composite structures
[NASA-CASE-MFS-28390-1] c 24 N91-15333
- Method and apparatus for determining return stroke polarity of distant lightning
[NASA-CASE-MFS-26102-1-CU] c 47 N91-15661
- Hanging drop crystal growth apparatus
[NASA-CASE-MFS-26061-1] c 76 N91-16815
- Drop deployment system for crystal growth apparatus
[NASA-CASE-MFS-28422-1] c 29 N91-17250
- O-ring gasket test fixture
[NASA-CASE-MFS-28376-1] c 14 N91-21175
- Wet atmospheric generation apparatus
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- Sample holder support for microscopes
[NASA-CASE-MFS-28420-1] c 37 N91-21545
- Thermally isolated deployable shield for spacecraft
[NASA-CASE-MFS-28524-1] c 18 N91-25167
- Apparatus for joining trusses
[NASA-CASE-MFS-28545-1] c 31 N91-25306
- Radiation sensitive area detection device and method
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- Control circuitry using electronic emulation of a synchro signal for accurate control of position and rate of rotation for shafts
[NASA-CASE-MFS-28458-1] c 33 N91-26459
- Double face sealing device
[NASA-CASE-MFS-28521-1] c 37 N91-26542
- Standard remote manipulator system docking target augmentation for automated docking
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- Rotationally actuated prosthetic helping hand
[NASA-CASE-MFS-28426-1] c 54 N91-32795
- Electromagnetic Meissner effect launcher
[NASA-CASE-MFS-28323-1] c 14 N92-15081
- Sprayable lightweight ablative coating
[NASA-CASE-MFS-28372-1] c 27 N92-16123
- Production of mulitite fibers
[NASA-CASE-MFS-28431-1] c 24 N92-17870
- Prosthetic helping hand
[NASA-CASE-MFS-28430-1] c 54 N92-24044
- Polymer-coated surfaces to control surface zeta potential
[NASA-CASE-MFS-26050-1] c 27 N92-25397
- Macromolecular crystal growing system
[NASA-CASE-MFS-26088-1-CU] c 76 N92-25398
- Metal etching composition
[NASA-CASE-MFS-29576-1] c 25 N92-25399
- Controlled method of reducing electrophoretic mobility of macromolecules, particles, or cells
[NASA-CASE-MFS-26049-2-NP] c 25 N92-28728
- Closed-loop autonomous docking system
[NASA-CASE-MFS-28421-1] c 18 N92-28750
- Water window imaging x ray microscope
[NASA-CASE-MFS-28485-1] c 35 N92-29135
- Hollow fiber clineostat for simulating microgravity in cell culture
[NASA-CASE-MFS-28370-1] c 35 N92-31790
- Rotating unbalanced-mass devices and methods for scanning balloon-borne-experiments, free-flying spacecraft, and space shuttle/space station attached experiments
[NASA-CASE-MFS-28425-1] c 35 N92-33010
- Multispectral variable magnification glancing incidence x ray telescope
[NASA-CASE-MFS-28013-4] c 89 N92-33012
- Arc/gas electrode
[NASA-CASE-MFS-29766-1] c 33 N92-33030
- Protein crystal growth tray assembly
[NASA-CASE-MFS-28507-1] c 76 N92-34171
- Gradient tempering process
[NASA-CASE-MFS-28496-1] c 26 N92-34239
- Method and apparatus for determining return stroke polarity of distant lightning
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- Crystal growth in a microgravity environment
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- X-ray monochromator
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- Bar-holding prosthetic limb
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- Portable seat lift
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- Saddle clamp assembly
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- Pressure wall patch
[NASA-CASE-MFS-28724-1] c 18 N93-17061
- Slip joint connector
[NASA-CASE-MFS-28659-1] c 37 N93-17080
- Sandwiched structural panel having a bi-directional core structure
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- Radial spline assembly for antifriction bearings
[NASA-CASE-MFS-28629-1] c 37 N93-26001
- Rocket engine nozzle attenuator
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- Hybrid bearings for turbopumps and the like
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- Welding wire pressure sensor assembly
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- Amino acid sequences for the binding regions in serum albumin proteins
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- Valve malfunction detection apparatus
[NASA-CASE-MFS-29904-1] c 35 N93-29503
- System for testing bearings
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[NASA-CASE-MFS-28833-1] c 37 N93-29846
- Prosthetic elbow joint
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- Gas arc constriction for plasma arc welding
[NASA-CASE-MFS-28844-1] c 37 N93-31292
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[NASA-CASE-MFS-28493-1] c 09 N94-10669
- Parachute having improved vent line stacking
[NASA-CASE-MFS-28508-1] c 02 N94-11021
- Welding nozzle position manipulator
[NASA-CASE-MFS-28837-1] c 37 N94-15882
- Plasma arc welding weld imaging
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[NASA-CASE-MFS-28682-1] c 27 N94-20359
- Spiral fluid separator
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- Liquid fuel injection elements for rocket engines
[NASA-CASE-MFS-28547-1] c 20 N94-20370
- Mold bolt and means for achieving close tolerances between bolts and bolt holes
[NASA-CASE-MFS-28720-1] c 37 N94-20379
- Turntable mechanism
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- Automatic locking orthotic knee device
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- Method for controlling protein crystallization
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- Pressure wall patch
[NASA-CASE-MFS-28724-1] c 18 N94-23824
- National Aeronautics and Space Administration.**
National Space Technology Labs., Bay Saint Louis, MS.
- Method for treating wastewater using microorganisms and vascular aquatic plants
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- National Aeronautics and Space Administration.**
Pasadena Office, CA.
- Phase control circuits using frequency multiplications for phased array antennas
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- Radiation and particle detector and amplifier
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- Use of thin film light detector
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- Banded transformer cores
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- Storage battery comprising negative plates of a wedge shaped configuration
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- Gated compressor, distortionless signal limiter
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- Apparatus for scanning the surface of a cylindrical body
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- Optically actuated two position mechanical mover
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[NASA-CASE-NPO-14549-2] c 52 N82-33996
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- Thermal reactor
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- Enhancement of in vitro guanylate propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045
- Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975
- Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996
- Broadband optical radiation detector
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- Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900
- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
- Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
- Stabilized lanthanum sulphur compounds
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- Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 45 N83-25217
- System and method for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N83-25346
- Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 32 N83-27085
- Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-27126
- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 35 N83-27184
- Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 25 N83-31743
- Method and apparatus for producing gas-filled hollow spheres
[NASA-CASE-NPO-14596-3] c 31 N83-31896
- Cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N83-31897
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
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- Method and device for detection of a substance
[NASA-CASE-NPO-14940-1] c 33 N83-31954
- System for monitoring physical characteristics of fluids
[NASA-CASE-NPO-15400-1] c 34 N83-31993
- Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N83-32232
- Distributed multiport memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-32342
- Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N83-32515
- System for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N83-32516
- Mixed polyvalent-monovalent metal coating for carbon-graphite fibers
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- Antenna grout replacement system
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- Sphere forming method and apparatus
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- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N83-35350
- Acoustic bubble removal method
[NASA-CASE-NPO-15334-1] c 71 N83-35781
- Method of increasing minority carrier lifetime in silicon web or the like
[NASA-CASE-NPO-15530-1] c 76 N83-35888
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N83-36846
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N84-11921
- Photoelectrochemical electrodes
[NASA-CASE-NPO-15458-1] c 25 N84-12262
- Method and apparatus for minimizing convection during crystal growth from solution
[NASA-CASE-NPO-15811-1] c 76 N84-12968
- Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 44 N84-14583
- Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 23 N84-16255
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- Contactless pellet fabrication
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- Apparatus and method for destructive removal of particles contained in flowing fluid
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- Supercritical solvent coal extraction
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[NASA-CASE-NPO-15465-1] c 34 N84-22903
- Method and apparatus for precision control of radiometer
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- Spectrophotometer stabilized laser with line center offset frequency control
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- Programmable scan/read circuitry for charge coupled device imaging detectors
[NASA-CASE-NPO-15345-1] c 74 N84-23247
- Laser pulse detection method and apparatus
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- Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N84-27713
- Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N84-27951
- Ion mass spectrometer
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- Shaft transducer having dc output proportional to angular velocity
[NASA-CASE-NPO-15706-1] c 35 N84-28017
- Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-2] c 37 N84-28081
- Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N84-28203
- Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N84-28204
- Integrating IR detector imaging systems
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- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 27 N84-33589
- Portable reflectance spectrometer
[NASA-CASE-NPO-13556-1] c 35 N84-33766
- Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 35 N84-33767
- Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 35 N84-33769
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[NASA-CASE-NPO-15351-2] c 06 N84-34443
- Pipelined digital SAR azimuth correlator using hybrid FFT-transversal filter
[NASA-CASE-NPO-15519-1] c 32 N84-34651
- Correlation spectrometer having high resolution and multiplexing capability
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[NASA-CASE-NPO-15629-1] c 76 N84-35113
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[NASA-CASE-NPO-16027-1] c 35 N85-21597
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- Ingot slicing machine and method
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- Apparatus and method to keep the walls of a free-space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 37 N85-21652
- Method of measuring sea surface water temperature with a satellite including wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 43 N85-21723
- Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
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- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N85-21992
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[NASA-CASE-NPO-15466-1] c 71 N85-22104
- High temperature acoustic levitator
[NASA-CASE-NPO-16022-1] c 71 N85-22105
- Focal plane array optical proximity sensor
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- Optical system
[NASA-CASE-NPO-15801-1] c 74 N85-23396
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- Retinally stabilized differential resolution television display
[NASA-CASE-NPO-15432-1] c 32 N85-29117
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- Closed loop electrostatic levitation system
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- Maser cavity servo-tuning system
[NASA-CASE-NPO-15890-1-CU] c 33 N85-29143
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[NASA-CASE-NPO-15722-1] c 35 N85-29212
- Digital control of diode laser for atmospheric spectroscopy
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- Method for driving two-phase turbines with enhanced efficiency
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- Optical fiber coupling method and apparatus
[NASA-CASE-NPO-15464-1] c 74 N85-29749
- Method for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N85-29800
- Split-cross-bridge resistor for testing for proper fabrication of integrated circuits
[NASA-CASE-NPO-16021-1] c 33 N85-30187
- Arrangement for damping the resonance in a laser diode
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- Stable density stratification solar pond
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- Increased voltage photovoltaic cell
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- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N85-30765
- Low defect, high purity crystalline layers grown by selective deposition
[NASA-CASE-NPO-15813-1] c 76 N85-30922
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- Ranging system which compares an object reflected component of a light beam to a reference component of the light beam
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- Production of butanol by fermentation in the presence of cocultures of clostridium
[NASA-CASE-NPO-16203-1] c 23 N85-35227

- Fluidized bed desulfurization
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- Laser activated MTOS microwave device
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- Memory metal actuator
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- Vibrating-chamber levitation systems
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- Self-locking double retention redundant full pin release
[NASA-CASE-NPO-16233-1] c 37 N86-20801
- Neighborhood comparison operator
[NASA-CASE-NPO-16464-1CU] c 60 N86-24224
- Method of measuring field tunneling and range straggling in semiconductor charge-collecting junctions
[NASA-CASE-NPO-16584-1-CU] c 76 N86-25269
- Solar heated oil shale pyrolysis process
[NASA-CASE-NPO-16392-1] c 25 N86-25428
- Discharge cell for optogalvanic spectroscopy having orthogonal relationship between the probe laser and discharge axis
[NASA-CASE-NPO-16271-1] c 35 N86-25753
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[NASA-CASE-NPO-16171-1CU] c 04 N86-27270
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[NASA-CASE-NPO-16236-1] c 44 N86-27706
- Method of making macrocrystalline or single crystal semiconductor material
[NASA-CASE-NPO-15904-1] c 76 N86-28760
- Apparatus for production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N86-32551
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[NASA-CASE-NPO-16479-1CU] c 35 N86-32695
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[NASA-CASE-NPO-16632-1-CU] c 32 N87-15390
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- Low noise lead screw positioner
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- Method for forming hermetic seals
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- Reed-Solomon decoder
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- Variable energy, high flux, ground-state atomic oxygen source
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- Cryogenic regenerator including saran-carbon heat conduction matrix
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- Timing control system
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- Real-time image difference detection using a polarization rotation spatial light modulator
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- Method for Viterbi decoding of large constraint length convolutional codes
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- Passively activated prehensile digit for a robotic end effector
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- Dynamic range compression/expansion of light beams by photorefractive crystals
[NASA-CASE-NPO-17140-1-CU] c 74 N89-14077
- Remotely controllable real-time optical processor
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- Preparation of dilute magnetic semiconductor films by metalorganic chemical vapor deposition
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- Joule Thomson refrigerator
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- Controlled sample orientation and rotation in an acoustic levitator
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- Programmable pipelined image processor
[NASA-CASE-NPO-16461-1CU] c 60 N89-26400
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- Reversal electron attachment ionizer for detection of trace species
[NASA-CASE-NPO-17596-1-CU] c 35 N89-28795
- Robust high-performance control for robotic manipulators
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- Trochoidal analysis of scattered electrons in a merged electron-ion beam geometry
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- Ballast system for maintaining constant pressure in a glove box
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[NASA-CASE-NPO-17824-1-CU] c 36 N90-17132
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- Balanced bridge feedback control system
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[NASA-CASE-NPO-17241-1-CU] c 33 N90-23636
- Multi-element spherical shell generation
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- Computer access security code system
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[NASA-CASE-MSC-11010] c 15 N71-19485
- Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
- Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882

Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365

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[NASA-CASE-XFR-07172] c 05 N71-27234

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[NASA-CASE-XMF-09422] c 07 N71-19436

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[NASA-CASE-XMS-08589-1] c 09 N71-20569

Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076

Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536

Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706

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[NASA-CASE-XMF-02303] c 17 N71-23828

Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876

Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849

Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852

Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929

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[NASA-CASE-XNP-01855] c 15 N71-28937

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[NASA-CASE-XNP-02278] c 15 N71-28951

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[NASA-CASE-HQN-00938] c 33 N71-29053

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[NASA-CASE-XFR-08403] c 05 N71-11202

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Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779

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[NASA-CASE-XGS-01286-1] c 37 N79-33469

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[NASA-CASE-GSC-12582-2] c 37 N85-20337

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[NASA-CASE-MFS-18100] c 15 N72-11390

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[NASA-CASE-NPO-10890] c 11 N73-12265

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[NASA-CASE-NPO-10985] c 14 N73-20478

Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243

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[NASA-CASE-GSC-11434-1] c 34 N74-27859

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Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162

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[NASA-CASE-XMF-02221] c 18 N71-27170

Frangible link
[NASA-CASE-MSC-11849-1] c 15 N72-22488

Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411

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[NASA-CASE-MSC-12357] c 15 N73-12489

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[NASA-CASE-MSC-15567-1] c 33 N73-16918

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[NASA-CASE-MSC-17832-1] c 33 N74-14956

Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123

Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683

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[NASA-CASE-MSC-15158-1] c 14 N72-17325

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[NASA-CASE-MFS-16570-1] c 05 N73-32013

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[NASA-CASE-LAR-10894-1] c 18 N73-14584

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[NASA-CASE-LAR-11902-1] c 27 N78-17206

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[NASA-CASE-XER-09213] c 07 N71-12390

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[NASA-CASE-NPO-12109] c 11 N72-22245

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[NASA-CASE-XHQ-02146] c 18 N75-27040

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[NASA-CASE-FRC-10029-2] c 05 N72-25121

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[NASA-CASE-NPO-10606] c 15 N72-25451

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[NASA-CASE-NPO-10051] c 18 N71-24934

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[NASA-CASE-FRC-10029] c 09 N71-24618

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[NASA-CASE-FRC-10022] c 12 N71-26546

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[NASA-CASE-FRC-10038] c 15 N72-20444

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[NASA-CASE-XMF-08651] c 06 N71-11236

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[NASA-CASE-XMF-08655] c 06 N71-11239

Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242

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[NASA-CASE-XMF-08652] c 06 N71-11243

Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

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[NASA-CASE-MSC-14472-1] c 43 N77-10584

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[NASA-CASE-MSC-16253-1] c 32 N79-20297

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[NASA-CASE-ARC-10992-1] c 26 N78-32229

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[NASA-CASE-LAR-11112-1] c 32 N76-15330

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[NASA-CASE-GSC-12219-1] c 35 N80-18359

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[NASA-CASE-LAR-11476-1] c 07 N76-27232

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[NASA-CASE-LAR-12106-1] c 71 N78-14867

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[NASA-CASE-LAR-12375-1] c 32 N79-24203

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[NASA-CASE-LAR-12326-1] c 02 N81-14968

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[NASA-CASE-LAR-12787-2] c 08 N85-19985

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[NASA-CASE-MFS-23883-1] c 51 N80-16715

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[NASA-CASE-FRC-10019] c 15 N73-12487

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[NASA-CASE-ARC-11241-1] c 25 N81-14016

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[NASA-CASE-NPO-10768] c 06 N71-27254

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[NASA-CASE-NPO-10765] c 06 N72-20121

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[NASA-CASE-NPO-10768-2] c 06 N72-27144

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[NASA-CASE-NPO-10767-2] c 06 N72-27151

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[NASA-CASE-ARC-11176-2] c 27 N81-27271

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[NASA-CASE-ARC-11176-1] c 27 N82-18389

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[NASA-CASE-ARC-11370-1] c 27 N84-22750

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Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696

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[NASA-CASE-NPO-11118] c 03 N72-25021

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[NASA-CASE-GSC-11046-1] c 07 N73-28013

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[NASA-CASE-GSC-11446-1] c 33 N74-20860

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[NASA-CASE-GSC-12334-1] c 36 N79-14362

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[NASA-CASE-GSC-12592-1] c 36 N84-28065

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[NASA-CASE-XMS-01624] c 15 N70-40062

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[NASA-CASE-XMS-01620] c 23 N71-15673

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[NASA-CASE-XMS-01618] c 14 N71-20741

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[NASA-CASE-XMS-01625] c 15 N71-23022

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[NASA-CASE-MSC-13436-1] c 05 N73-32015

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[NASA-CASE-XGS-01230] c 08 N71-19544

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[NASA-CASE-XGS-01155] c 10 N71-21483

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[NASA-CASE-XGS-00963] c 15 N69-39735

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[NASA-CASE-XMS-03700] c 15 N69-24266

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[NASA-CASE-XGS-05003] c 09 N69-24318

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[NASA-CASE-XGS-02816] c 07 N69-24323

Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513

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[NASA-CASE-XNP-01328] c 26 N71-18064

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[NASA-CASE-XNP-01659] c 14 N71-23039

Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189

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[NASA-CASE-XNP-01068] c 10 N71-28739

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[NASA-CASE-XGS-01395] c 03 N69-21539

Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049

Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658

Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027

Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043

Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184

Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407

Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156

Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948

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[NASA-CASE-GSC-10064-1] c 10 N72-22235

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[NASA-CASE-XNP-08124-2] c 06 N73-13129

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[NASA-CASE-GSC-10791-1] c 15 N73-14469

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[NASA-CASE-NPO-12070-1] c 28 N73-32606

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[NASA-CASE-GSC-11560-1] c 33 N74-20861

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[NASA-CASE-MSC-14649-1] c 33 N76-16331

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[NASA-CASE-NPO-14298-1] c 76 N80-32244

Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389

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[NASA-CASE-MSC-18578-1] c 32 N85-21427

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[NASA-CASE-XNP-02389] c 07 N71-28900

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[NASA-CASE-MFS-20386] c 21 N71-19212

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[NASA-CASE-NPO-14205-1] c 44 N79-31752

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[NASA-CASE-MFS-20240] c 14 N71-26788

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[NASA-CASE-XLA-07813] c 14 N72-17328

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[NASA-CASE-LAR-11370-1] c 35 N80-28686

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[NASA-CASE-XLA-04980] c 09 N69-27422

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[NASA-CASE-MFS-25740-1] c 52 N84-11744

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[NASA-CASE-XNP-07040] c 08 N71-12500

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[NASA-CASE-XMS-06782] c 32 N71-15974

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[NASA-CASE-NPO-10158] c 33 N71-16356

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[NASA-CASE-NPO-10122] c 12 N71-17631

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[NASA-CASE-MFS-14259] c 15 N71-19213

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[NASA-CASE-MFS-11537] c 14 N71-20442

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[NASA-CASE-XNP-10475] c 15 N71-24679

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[NASA-CASE-NPO-10070] c 15 N71-27372

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[NASA-CASE-XNP-00816] c 28 N71-28928

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[NASA-CASE-NPO-10417] c 16 N71-33410

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[NASA-CASE-NPO-12000] c 27 N72-25699

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[NASA-CASE-NPO-12015] c 27 N73-16764

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[NASA-CASE-NPO-10998-1] c 06 N73-32029

Internally supported flexible duct joint
[NASA-CASE-MFS-19193-1] c 37 N75-19686

Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125

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[NASA-CASE-NPO-06053] c 26 N75-27126

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[NASA-CASE-XNP-03878] c 26 N75-27127

Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329

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[NASA-CASE-XNP-01311] c 26 N75-29236

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[NASA-CASE-XMS-05731] c 35 N75-29382

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[NASA-CASE-MFS-19194-1] c 37 N76-14460

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[NASA-CASE-MFS-19220-1] c 20 N76-22296

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[NASA-CASE-MFS-19287-1] c 34 N77-30399

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[NASA-CASE-MFS-19259-1] c 36 N78-14380

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[NASA-CASE-XMF-05373-1] c 33 N79-21264

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[NASA-CASE-LAR-11465-1] c 37 N76-21554

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[NASA-CASE-MSC-19372-1] c 39 N76-31562

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[NASA-CASE-MFS-16609-3] c 03 N76-32140

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[NASA-CASE-MSC-19442-1] c 74 N77-10899

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[NASA-CASE-MSC-19536-1] c 37 N77-22482

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[NASA-CASE-MSC-19535-1] c 37 N77-32499

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[NASA-CASE-MSC-19666-1] c 37 N78-17383

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[NASA-CASE-MSC-19693-1] c 26 N78-24333

Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350

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[NASA-CASE-MSC-16270-1] c 37 N78-27423

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[NASA-CASE-MSC-19706-1] c 09 N78-31129

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[NASA-CASE-MSC-19514-1] c 37 N79-20377

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[NASA-CASE-MSC-16697-1] c 33 N79-28415

Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097

Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653

Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

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[NASA-CASE-MSC-16800-1] c 32 N81-14187

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[NASA-CASE-MSC-16973-1] c 37 N81-14317

Thermal barrier pressure seal
[NASA-CASE-MSC-18134-1] c 37 N81-15363

Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336

Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494

A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

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[NASA-CASE-MSC-18741-1] c 27 N82-29456

Method for repair of thin glass coatings
[NASA-CASE-KSC-11097-1] c 27 N82-33520

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[NASA-CASE-MSC-18936-1] c 35 N83-29652

Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N83-36482

Method and technique for installing light-weight, fragile, high-temperature fiber insulation
[NASA-CASE-MSC-16934-3] c 24 N84-16262

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[NASA-CASE-LAR-12644-1] c 37 N84-28084

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[NASA-CASE-MSC-20250-1] c 35 N86-19581

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[NASA-CASE-MSC-18742-1] c 37 N82-26673

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[NASA-CASE-MSC-19672-1] c 38 N79-14398

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[NASA-CASE-MSC-20304-1] c 37 N82-31690

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[NASA-CASE-MSC-20783-1] c 35 N86-20756

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[NASA-CASE-NPO-11036] c 15 N72-24522

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[NASA-CASE-XMS-10269] c 05 N71-24147

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[NASA-CASE-XMS-00907] c 02 N70-41630

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[NASA-CASE-XNP-02092] c 15 N70-42033

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[NASA-CASE-ARC-11154-1] c 25 N80-23383

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[NASA-CASE-ARC-11118-2] c 52 N81-14613

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[NASA-CASE-ARC-11118-1] c 52 N81-29764

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[NASA-CASE-ARC-11245-1] c 28 N82-18401

Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338

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[NASA-CASE-ARC-11252-1] c 25 N83-36118

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[NASA-CASE-ARC-11418-1] c 24 N84-11213

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[NASA-CASE-ARC-11402-1] c 27 N84-22744

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[NASA-CASE-ARC-11402-3] c 23 N86-21582

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[NASA-CASE-XMS-09352] c 09 N71-23316

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[NASA-CASE-GSC-12143-1] c 35 N77-32456

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[NASA-CASE-GSC-12032-2] c 43 N82-13465

Santa Clara Univ., CA.

Reversed cowl flap inlet thrust augmentor
[NASA-CASE-ARC-10754-1] c 07 N75-24736

System for measuring Reynolds in a turbulently flowing fluid
[NASA-CASE-ARC-10755-2] c 34 N76-27517

- System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
- Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N83-33884
- Schjeldahl (G. T.) Co., Northfield, MN.**
Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687
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[NASA-CASE-XLA-01494] c 15 N71-24164
- Science Applications, Inc., La Jolla, CA.**
Ultra-violet process for producing flame resistant polyamides and products produced thereby
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- Scott Aviation Corp., Lancaster, NY.**
Self-contained breathing apparatus
[NASA-CASE-MSC-14733-1] c 54 N76-24900
- Serv-Air, Inc., Edwards, CA.**
Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599
- Serv-Air, Inc., Houston, TX.**
Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544
- Sheldahl Co., Northfield, MN.**
Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
- Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- Sikorsky Aircraft, Stratford, CT.**
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
- Aircraft rotor blade with passive tuned tab
[NASA-CASE-ARC-11444-1] c 05 N85-29947
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Digital interface for bi-directional communication between a computer and a peripheral device
[NASA-CASE-MSC-20258-1] c 60 N84-28492
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- Smith Electronics, Inc., Cleveland, OH.**
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- Smithsonian Astrophysical Observatory, Cambridge, MA.**
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- Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
- Solid State Radiations, Inc., Los Angeles, CA.**
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- Southern Methodist Univ., Dallas, TX.**
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[NASA-CASE-GSC-12022-2] c 44 N78-24609
- Southern Research Inst., Birmingham, AL.**
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[NASA-CASE-XMF-02526-1] c 27 N79-21190
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[NASA-CASE-HQN-10740-1] c 72 N74-19310
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[NASA-CASE-MFS-10512] c 06 N73-30099

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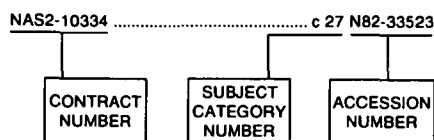
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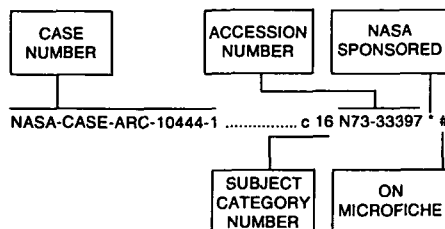
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INT-PATENT-CLASS-H01P-1/18	c 74	N92-28571 *	NAS 1.71:LAR-12858-1	c 27	N85-20124 *	NAS 1.71:LEW-13524-1	c 07	N84-33410 *	#
INT-PATENT-CLASS-H01P-7/06	c 37	N94-20375 *	NAS 1.71:LAR-12868-1	c 37	N85-21651 *	NAS 1.71:LEW-13639-1	c 26	N84-33555 *	#
INT-PATENT-CLASS-H01Q-1/380	c 32	N93-29507 *	NAS 1.71:LAR-12884	c 18	N84-33450 *	NAS 1.71:LEW-13770-3	c 27	N85-21350 *	#
INT-PATENT-CLASS-H01Q-19/300	c 32	N93-29507 *	NAS 1.71:LAR-12894-1	c 27	N85-20125 *	NAS 1.71:LEW-13770-4	c 27	N85-21351 *	#
INT-PATENT-CLASS-H01R-13/00	c 37	N94-20126 *	NAS 1.71:LAR-12979-1	c 05	N85-21147 *	NAS 1.71:LEW-13770-5	c 27	N85-21352 *	#
INT-PATENT-CLASS-H01R-13/54	c 37	N93-14712 *	NAS 1.71:LAR-13014-1	c 09	N85-21178 *	NAS 1.71:LEW-13827-1	c 44	N85-21768 *	#
INT-PATENT-CLASS-H01S-3/08	c 36	N91-18277 *	NAS 1.71:LAR-13065-1	c 35	N85-20295 *	NAS 1.71:LEW-13833-1	c 33	N85-21492 *	#
INT-PATENT-CLASS-H01S-3/098	c 36	N91-17360 *	NAS 1.71:LAR-13230-1	c 24	N84-34571 *	NAS 1.71:LEW-13837-2	c 24	N85-21267 *	#
INT-PATENT-CLASS-H01S-3/10	c 36	N92-31788 *	NAS 1.71:LAR-13233-1	c 05	N84-33400 *	NAS 1.71:LEW-13881-1	c 20	N85-21256 *	#
INT-PATENT-CLASS-H01S-3/16	c 36	N91-15528 *	NAS 1.71:LAR-13256-1	c 36	N86-29204 *	NAS 1.71:LEW-14080-1	c 31	N85-20153 *	#
INT-PATENT-CLASS-H01S-3/19	c 36	N93-13418 *	NAS 1.71:LAR-13257-1	c 25	N84-32447 *	NAS 1.71:LEW-14127-1	c 33	N86-20680 *	#
INT-PATENT-CLASS-H01S-3/19	c 36	N93-14703 *	NAS 1.71:LAR-13292-1	c 27	N86-24841 *	NAS 1.71:LEW-14162-1	c 34	N91-13668 *	#
INT-PATENT-CLASS-H01S-3/22	c 25	N91-21270 *	NAS 1.71:LAR-13387-1	c 74	N88-25302 *	NAS 1.71:LEW-14162-4	c 24	N93-20568 *	#
INT-PATENT-CLASS-H02K-1/14	c 37	N92-29099 *	NAS 1.71:LAR-13400-1	c 02	N93-22015 *	NAS 1.71:LEW-14345-6	c 23	N92-17882 *	#
INT-PATENT-CLASS-H02K-41/00	c 37	N91-21539 *	NAS 1.71:LAR-13447-1	c 27	N88-18725 *	NAS 1.71:LEW-14345-7	c 23	N93-17412 *	#
INT-PATENT-CLASS-H02K-44/10	c 27	N91-14489 *	NAS 1.71:LAR-13519-1	c 35	N88-23963 *	NAS 1.71:LEW-14474-1	c 27	N91-28423 *	#
INT-PATENT-CLASS-H02K-7/09	c 70	N91-21824 *	NAS 1.71:LAR-13548-1	c 09	N91-28175 *	NAS 1.71:LEW-14676-2	c 76	N90-17454 *	#
INT-PATENT-CLASS-H02L-9/04	c 60	N90-25583 *	NAS 1.71:LAR-13555-1	c 23	N86-32526 *	NAS 1.71:LEW-14734-1	c 24	N89-23623 *	#
INT-PATENT-CLASS-H02M-3/07	c 33	N91-18278 *	NAS 1.71:LAR-13563-1	c 34	N91-23410 *	NAS 1.71:LEW-14906-1	c 37	N93-12203 *	#
INT-PATENT-CLASS-H02N-1/08	c 33	N92-22042 *	NAS 1.71:LAR-13586-1	c 16	N92-10035 *	NAS 1.71:LEW-14906-2	c 37	N93-31314 *	#
INT-PATENT-CLASS-H03B-5/12	c 33	N90-23635 *	NAS 1.71:LAR-13632-1	c 26	N87-29650 *	NAS 1.71:LEW-14921-1	c 24	N91-13502 *	#
INT-PATENT-CLASS-H03D-1/00	c 33	N91-14550 *	NAS 1.71:LAR-13633-1	c 27	N87-24575 *	NAS 1.71:LEW-14945-1	c 32	N91-13598 *	#
INT-PATENT-CLASS-H03D-1/04	c 33	N91-26438 *	NAS 1.71:LAR-13689-1	c 35	N87-23941 *	NAS 1.71:LEW-14965-1	c 37	N91-13732 *	#
INT-PATENT-CLASS-H03D-1/06	c 32	N92-21712 *	NAS 1.71:LAR-13705-1	c 39	N88-25011 *	NAS 1.71:LEW-15020-1	c 27	N91-15412 *	#
INT-PATENT-CLASS-H03M-13/00	c 60	N91-31810 *	NAS 1.71:LAR-13719-1	c 37	N89-12867 *	NAS 1.71:LEW-15027-1	c 27	N91-13566 *	#
INT-PATENT-CLASS-H04B-1/10	c 32	N91-25316 *	NAS 1.71:LAR-13738-1	c 18	N87-29586 *	NAS 1.71:LEW-15027-2	c 27	N92-24053 *	#
INT-PATENT-CLASS-H04B-10/00	c 74	N91-27957 *	NAS 1.71:LAR-13889-1	c 39	N88-30160 *	NAS 1.71:LEW-15043-1	c 27	N91-32230 *	#
INT-PATENT-CLASS-H04B-10/00	c 36	N93-18287 *	NAS 1.71:LAR-13950-1	c 60	N92-30541 *	NAS 1.71:LEW-15154-1	c 27	N93-19332 *	#
INT-PATENT-CLASS-H04B-10/00	c 74	N94-23270 *	NAS 1.71:LAR-13988-1	c 23	N89-11814 *	NAS 1.71:LEW-15154-2	c 27	N93-31300 *	#
INT-PATENT-CLASS-H04J-3/02	c 62	N91-14772 *	NAS 1.71:LAR-13996-1-SB	c 25	N90-15161 *	NAS 1.71:LEW-15164-1	c 27	N91-25298 *	#
INT-PATENT-CLASS-H04K-3/00	c 33	N91-31530 *	NAS 1.71:LAR-14004-1	c 63	N93-19024 *	NAS 1.71:LEW-15170-1	c 71	N93-28953 *	#
INT-PATENT-CLASS-H04L-27/18	c 32	N91-14523 *	NAS 1.71:LAR-14036-1	c 27	N91-13562 *	NAS 1.71:LEW-15222-1	c 76	N91-26966 *	#
INT-PATENT-CLASS-H04L-27/18	c 32	N91-25318 *	NAS 1.71:LAR-14047-1	c 31	N93-19038 *	NAS 1.71:LEW-15222-3	c 76	N93-17413 *	#
INT-PATENT-CLASS-H04L-27/22	c 32	N91-27439 *	NAS 1.71:LAR-14049-1	c 07	N89-23466 *	NAS 1.71:LEW-15241-2	c 24	N93-31296 *	#
INT-PATENT-CLASS-H04N-13/00	c 74	N92-16809 *	NAS 1.71:LAR-14054-1	c 20	N94-15947 *	NAS 1.71:LEW-15250-1	c 35	N93-17060 *	#
INT-PATENT-CLASS-H04N-13/00	c 74	N93-18276 *	NAS 1.71:LAR-14078-1-CU	c 34	N90-27071 *	NAS 1.71:LEW-15263-1	c 24	N93-11543 *	#
INT-PATENT-CLASS-H04N-5/262	c 60	N92-16563 *	NAS 1.71:LAR-14093-1	c 33	N94-15988 *	NAS 1.71:LEW-15263-2	c 24	N94-15929 *	#
INT-PATENT-CLASS-H04N-5/74	c 74	N93-13711 *	NAS 1.71:LAR-14142-1	c 37	N90-27116 *	NAS 1.71:LEW-15264-1	c 24	N93-31293 *	#
INT-PATENT-CLASS-H04N-7/00	c 32	N93-18284 *	NAS 1.71:LAR-14156-1	c 16	N90-16781 *	NAS 1.71:LEW-15264-2	c 24	N93-31299 *	#
INT-PATENT-CLASS-H04N-7/133	c 74	N93-18276 *	NAS 1.71:LAR-14160-1	c 35	N94-15884 *	NAS 1.71:LEW-15269-1	c 24	N93-20040 *	#
INT-PATENT-CLASS-H04N-7/13	c 32	N92-10128 *	NAS 1.71:LAR-14162-1	c 27	N90-15259 *	NAS 1.71:LEW-15306-1	c 27	N93-20566 *	#
INT-PATENT-CLASS-H04N-7/18	c 35	N90-22770 *	NAS 1.71:LAR-14169-1	c 37	N92-17677 *	NAS 1.71:LEW-15306-2	c 27	N93-28425 *	#
INT-PATENT-CLASS-H04N-7/18	c 32	N93-18284 *	NAS 1.71:LAR-14172-1	c 20	N93-31295 *	NAS 1.71:LEW-15314-2	c 27	N93-28423 *	#
INT-PATENT-CLASS-H04N-9/31	c 74	N93-13711 *	NAS 1.71:LAR-14194-1	c 24	N90-15148 *	NAS 1.71:LEW-15345-2	c 37	N93-28127 *	#
INT-PATENT-CLASS-H04R-15/00	c 33	N92-15331 *	NAS 1.71:LAR-14198-1	c 27	N90-26956 *	NAS 1.71:LEW-15360-1	c 25	N92-34206 *	#
INT-PATENT-CLASS-H04R-25/00	c 35	N91-27522 *	NAS 1.71:LAR-14203-1	c 36	N89-28817 *	NAS 1.71:LEW-15407-1	c 33	N94-15706 *	#
INT-PATENT-CLASS-H04R-5/00	c 71	N94-23312 *	NAS 1.71:LAR-14221-1	c 06	N93-19023 *	NAS 1.71:LEW-15430-1	c 71	N93-17051 *	#
INT-PATENT-CLASS-H05B-33/00	c 74	N91-14835 *	NAS 1.71:LAR-14232-1	c 09	N92-34213 *	NAS 1.71:LEW-15515-1	c 35	N93-31298 *	#
INT-PATENT-CLASS-H05B-33/14	c 76	N91-21911 *	NAS 1.71:LAR-14271-1-CU	c 27	N91-13558 *	NAS 1.71:LEW-15535-1	c 26	N93-31294 *	#
INT-PATENT-CLASS-H05B-33/14	c 74	N91-31950 *	NAS 1.71:LAR-14339-1	c 27	N90-26955 *	NAS 1.71:LEW-15570-1	c 37	N93-19027 *	#
INT-PATENT-CLASS-H05B-6/36	c 32	N94-20368 *	NAS 1.71:LAR-14398-1	c 25	N92-30098 *	NAS 1.71:LEW-15576-1	c 27	N93-31316 *	#
INT-PATENT-CLASS-H05H-1/00	c 20	N94-20496 *	NAS 1.71:LAR-14448-1	c 27	N93-11912 *	NAS 1.71:LEW-15614-1	c 72	N93-19026 *	#
INT-PATENT-CLASS-H05H-3/00	c 72	N94-23825 *	NAS 1.71:LAR-14470-1	c 02	N93-11876 *	NAS 1.71:LEW-15643-1	c 35	N94-15928 *	#
INT-PATENT-CLASS-H05H-3/04	c 29	N93-24600 *	NAS 1.71:LAR-14517-1	c 27	N94-15879 *	NAS 1.71:LEW-15697-1	c 26	N93-29172 *	#
INT-PATENT-CLASS-H05K-5/00	c 32	N93-29087 *	NAS 1.71:LAR-14535-1	c 24	N94-15878 *	NAS 1.71:LEW-15700-1	c 82	N93-28130 *	#
INT-PATENT-CLASS-H05K-7/20	c 24	N93-29614 *	NAS 1.71:LAR-14538-1	c 27	N92-11201 *	NAS 1.71:MFS-25302-2	c 33	N84-33660 *	#
INT-PATENT-CLASS-H07M-10/39	c 33	N91-14536 *	NAS 1.71:LAR-14547-1	c 34	N92-17909 *	NAS 1.71:MFS-25637-1	c 44	N85-21769 *	#
INT-PATENT-CLASS-H07M-4/60	c 33	N91-14536 *	NAS 1.71:LAR-14559-1	c 38	N92-29829 *	NAS 1.71:MFS-25717-1	c 35	N84-33768 *	#
			NAS 1.71:LAR-14581-1-SB	c 38	N93-12204 *	NAS 1.71:MFS-25721-1	c 25	N85-21280 *	#
			NAS 1.71:LAR-14591-1	c 35	N93-19493 *	NAS 1.71:MFS-25852-1	c 33	N84-33661 *	#
			NAS 1.71:LAR-14612-1	c 34	N92-29954 *	NAS 1.71:MFS-25861-1	c 33	N85-22877 *	#
			NAS 1.71:LAR-14626-1	c 38	N92-17859 *	NAS 1.71:MFS-25862-1	c 27	N85-20126 *	#
			NAS 1.71:LAR-14640-1-CU	c 74	N93-17052 *	NAS 1.71:MFS-25862-2	c 37	N84-33807 *	#
			NAS 1.71:LAR-14643-1	c 27	N92-29953 *	NAS 1.71:MFS-26002-1-CU	c 35	N86-26598 *	#
			NAS 1.71:LAR-14645-1-SB	c 36	N94-15942 *	NAS 1.71:MFS-26049-1-IP	c 25	N89-28603 *	#
			NAS 1.71:LAR-14651-1	c 82	N92-30386 *	NAS 1.71:MFS-26061-1	c 76	N91-16815 *	#
			NAS 1.71:LAR-14652-1-SB	c 74	N93-22039 *	NAS 1.71:MFS-26083-1-CU	c 26	N90-26940 *	#
			NAS 1.71:LAR-14682-1	c 34	N92-30387 *	NAS 1.71:MFS-26102-1-CU	c 47	N91-15661 *	#
			NAS 1.71:LAR-14725-1	c 38	N94-15870 *	NAS 1.71:MFS-26216-1	c 37	N93-28951 *	#
			NAS 1.71:LAR-14738-1	c 37	N93-29175 *	NAS 1.71:MFS-280			

NAS 1.71:MFS-28153-1	c 31	N86-32589 *	#	NAS 1.71:MSC-22244-1	c 54	N94-15883 *	#	NAS 1.71:NPO-18579-1-CU	c 63	N93-11174 *	#
NAS 1.71:MFS-28161-1	c 37	N87-18817 *	#	NAS 1.71:MSC-22255-1	c 74	N93-28135 *	#	NAS 1.71:NPO-18580-1-CU	c 33	N93-12728 *	#
NAS 1.71:MFS-28183-1	c 74	N89-13253 *	#	NAS 1.71:NPO-13556-1	c 35	N84-33766 *	#	NAS 1.71:NPO-18584-1-CU	c 37	N93-11177 *	#
NAS 1.71:MFS-28248-1	c 31	N88-24817 *	#	NAS 1.71:NPO-15155-1	c 74	N85-22139 *	#	NAS 1.71:NPO-18586-1-CU	c 63	N93-12726 *	#
NAS 1.71:MFS-28273-1	c 37	N88-23974 *	#	NAS 1.71:NPO-15295-1	c 60	N85-21992 *	#	NAS 1.71:NPO-18596-1-CU	c 36	N93-28132 *	#
NAS 1.71:MFS-28282-1	c 76	N88-29602 *	#	NAS 1.71:NPO-15341-1	c 35	N84-33769 *	#	NAS 1.71:NPO-18607-1-CU	c 37	N92-23553 *	#
NAS 1.71:MFS-28287-1	c 35	N88-23959 *	#	NAS 1.71:NPO-15430-1	c 46	N85-21846 *	#	NAS 1.71:NPO-18608-1-CU	c 63	N93-12725 *	#
NAS 1.71:MFS-28295-1	c 74	N91-13999 *	#	NAS 1.71:NPO-15433-1	c 32	N85-21428 *	#	NAS 1.71:NPO-18611-1-CU	c 36	N93-30415 *	#
NAS 1.71:MFS-28327-1	c 18	N89-28556 *	#	NAS 1.71:NPO-15466-1	c 71	N85-22104 *	#	NAS 1.71:NPO-18625-1-CU	c 76	N92-30102 *	#
NAS 1.71:MFS-28328-1	c 37	N91-13731 *	#	NAS 1.71:NPO-15483-1	c 37	N85-21650 *	#	NAS 1.71:NPO-18645-1-CU	c 63	N92-34240 *	#
NAS 1.71:MFS-28345-2	c 37	N89-28842 *	#	NAS 1.71:NPO-15493-2	c 35	N85-34373 *	#	NAS 1.71:NPO-18655-1-CU	c 35	N93-28322 *	#
NAS 1.71:MFS-28368-1	c 75	N90-10717 *	#	NAS 1.71:NPO-15494-2	c 35	N85-34373 *	#	NAS 1.71:NPO-18662-1-CU	c 74	N93-28428 *	#
NAS 1.71:MFS-28384-1	c 37	N90-27112 *	#	NAS 1.71:NPO-15519-1	c 32	N84-34651 *	#	NAS 1.71:NPO-18664-1-CU	c 89	N94-17438 *	#
NAS 1.71:MFS-28390-1	c 24	N91-15333 *	#	NAS 1.71:NPO-15558-1	c 35	N84-34705 *	#	NAS 1.71:NPO-18667-1-CU	c 33	N93-19330 *	#
NAS 1.71:MFS-28402-1	c 51	N93-28952 *	#	NAS 1.71:NPO-15560-1	c 33	N85-21491 *	#	NAS 1.71:NPO-18678-1-CU	c 32	N93-28422 *	#
NAS 1.71:MFS-28406-1	c 37	N91-13729 *	#	NAS 1.71:NPO-15644-1	c 35	N84-33767 *	#	NAS 1.71:NPO-18690-1-CU	c 37	N92-34205 *	#
NAS 1.71:MFS-28422-1	c 29	N91-17250 *	#	NAS 1.71:NPO-15651-1	c 43	N85-21723 *	#	NAS 1.71:NPO-18694-1-CU	c 33	N94-17325 *	#
NAS 1.71:MFS-28430-1	c 54	N92-24044 *	#	NAS 1.71:NPO-15753-1	c 27	N84-33589 *	#	NAS 1.71:NPO-18702-1-CU	c 74	N92-23551 *	#
NAS 1.71:MFS-28431-1	c 24	N92-17870 *	#	NAS 1.71:NPO-15759-1	c 35	N85-21596 *	#	NAS 1.71:NPO-18727-1-CU	c 62	N93-28427 *	#
NAS 1.71:MFS-28458-1	c 33	N91-26459 *	#	NAS 1.71:NPO-15790-1	c 38	N85-21631 *	#	NAS 1.71:NPO-18733-1-CU	c 06	N93-30416 *	#
NAS 1.71:MFS-28491-1	c 37	N93-28326 *	#	NAS 1.71:NPO-15801-1	c 74	N85-23396 *	#	NAS 1.71:NPO-18735-1-CU	c 27	N94-15960 *	#
NAS 1.71:MFS-28496-1	c 26	N92-34239 *	#	NAS 1.71:NPO-15808-1	c 44	N84-34792 *	#	NAS 1.71:NPO-18736-1-CU	c 74	N94-15933 *	#
NAS 1.71:MFS-28508-1	c 02	N94-11021 *	#	NAS 1.71:NPO-15851-1	c 37	N85-21652 *	#	NAS 1.71:NPO-18738-1-CU	c 37	N93-28954 *	#
NAS 1.71:MFS-28521-1	c 37	N91-26542 *	#	NAS 1.71:NPO-15920-1	c 33	N85-21493 *	#	NAS 1.71:NPO-18764-1-CU	c 37	N93-12722 *	#
NAS 1.71:MFS-28524-1	c 18	N91-25167 *	#	NAS 1.71:NPO-16022-1	c 71	N85-22105 *	#	NAS 1.71:NPO-18769-1-CU	c 74	N93-28133 *	#
NAS 1.71:MFS-28545-1	c 31	N91-25306 *	#	NAS 1.71:NPO-16027-1	c 35	N85-21597 *	#	NAS 1.71:NPO-18771-1-CU	c 61	N93-11664 *	#
NAS 1.71:MFS-28563-1	c 35	N91-25388 *	#	NAS 1.71:NPO-16233-1	c 37	N86-20801 *	#	NAS 1.71:NPO-18772-1-CU	c 32	N93-28955 *	#
NAS 1.71:MFS-28610-1	c 54	N93-17045 *	#	NAS 1.71:NPO-16420-1	c 33	N86-20681 *	#	NAS 1.71:NPO-18786-1-CU	c 37	N93-28131 *	#
NAS 1.71:MFS-28659-1	c 37	N93-17080 *	#	NAS 1.71:NPO-16494-1-CU	c 60	N86-24224 *	#	NAS 1.71:NPO-18789-1-CU	c 61	N94-17326 *	#
NAS 1.71:MFS-28701-1	c 37	N93-17057 *	#	NAS 1.71:NPO-16584-1-CU	c 34	N85-29182 *	#	NAS 1.71:NPO-18790-1-CU	c 63	N94-15958 *	#
NAS 1.71:MFS-28707-1	c 54	N93-30566 *	#	NAS 1.71:NPO-16632-1-CU	c 76	N86-25269 *	#	NAS 1.71:NPO-18791-1-CU	c 35	N94-15987 *	#
NAS 1.71:MFS-28724-1	c 18	N93-17061 *	#	NAS 1.71:NPO-16632-1-CU	c 32	N87-15390 *	#	NAS 1.71:NPO-18817-1-CU	c 31	N93-12202 *	#
NAS 1.71:MFS-28739-1	c 20	N93-28324 *	#	NAS 1.71:NPO-16784-1	c 33	N87-10231 *	#	NAS 1.71:NPO-18836-1-CU	c 76	N94-17327 *	#
NAS 1.71:MFS-28796-1	c 24	N93-19022 *	#	NAS 1.71:NPO-16869	c 74	N86-33138 *	#	NAS 1.71:NPO-18864-1-CU	c 62	N94-17328 *	#
NAS 1.71:MFS-28797-1	c 37	N94-15949 *	#	NAS 1.71:NPO-16882-1-CU	c 33	N88-24863 *	#	NAS 1.71:NPO-18870-1-CU	c 72	N94-17329 *	#
NAS 1.71:MFS-28833-1	c 37	N93-29846 *	#	NAS 1.71:NPO-16892-1-CU	c 37	N87-14704 *	#	NAS 1.71:NPO-18902-1-CU	c 37	N93-28129 *	#
NAS 1.71:MFS-29291-1	c 37	N89-12868 *	#	NAS 1.71:NPO-16932-1	c 33	N87-15413 *	#	NAS 1.71:NPO-18913-1-CU	c 27	N94-15930 *	#
NAS 1.71:MFS-29837-1	c 37	N94-15882 *	#	NAS 1.71:NPO-17024-1-CU	c 35	N88-24943 *	#	NAS 1.71:NPO-18935-1-CU	c 33	N94-15952 *	#
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NASA-CASE-ERC-10065

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NASA-CASE-NPO-17436-1-CU	c 35	N91-15512 *		NASA-CASE-NPO-18146-1-CU	c 74	N94-20345 *	NASA-CASE-NUG-10107-1	c 33	N74-17930 *	
NASA-CASE-NPO-17461-1-CU	c 35	N91-17350 *		NASA-CASE-NPO-18155-1-CU	c 71	N93-13421 *				
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NASA-CASE-NPO-17480-1-CU	c 25	N92-10073 *		NASA-CASE-NPO-18187-1-CU	c 70	N92-29130 *	NASA-CASE-SSC-00006-1	c 35	N91-13691 *	#
NASA-CASE-NPO-17498-1-CU	c 72	N91-14813 *		NASA-CASE-NPO-18191-1-CU	c 09	N93-24601 *	NASA-CASE-SSC-00008-1	c 37	N91-13733 *	#
NASA-CASE-NPO-17511-1-CU	c 71	N91-14807 *		NASA-CASE-NPO-18192-1-CU	c 20	N94-20496 *	NASA-CASE-SSC-00010-1	c 82	N91-23976 *	#
NASA-CASE-NPO-17512-1-CU	c 74	N91-26918 *		NASA-CASE-NPO-18194-1-CU	c 74	N94-20305 *	NASA-CASE-SSC-00010-2	c 82	N92-23550 *	#
NASA-CASE-NPO-17524-1-CU	c 27	N90-10261 *	#	NASA-CASE-NPO-18243-1-CU	c 36	N93-13418 *	NASA-CASE-SSC-00013-1	c 38	N91-32515 *	#
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NASA-CASE-NPO-17543-2-CU	c 35	N93-19387 *		NASA-CASE-NPO-18343-1-CU	c 33	N93-11456 *	NASA-CASE-WLP-10055-1	c 35	N84-28015 *	
NASA-CASE-NPO-17548-1-CU	c 32	N90-16104 *	#	NASA-CASE-NPO-18343-1-CU	c 33	N94-23823 *	NASA-CASE-WLP-10055-2	c 35	N85-21598 *	
NASA-CASE-NPO-17552-1-CU	c 54	N92-29129 *		NASA-CASE-NPO-18357-1-CU	c 74	N93-29848 *				
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NASA-CASE-NPO-17806-1-CU	c 31	N91-27385 *		NASA-CASE-NPO-18586-1-CU	c 63	N93-17276 *	NASA-CASE-XAC-03107	c 23	N71-16098 *	
NASA-CASE-NPO-17807-2-CU	c 63	N94-20360 *		NASA-CASE-NPO-18593-1-CU	c 74	N93-18276 *	NASA-CASE-XAC-03392	c 03	N70-41854 *	
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NASA-CASE-NPO-17826-1-CU	c 27	N92-16121 *		NASA-CASE-NPO-18645-1-CU	c 63	N92-34240 *	NASA-CASE-XAC-04886-1	c 14	N71-20439 *	
NASA-CASE-NPO-17830-1-CU	c 33	N91-14539 *		NASA-CASE-NPO-18655-1-CU	c 35	N93-28322 *	NASA-CASE-XAC-05333	c 11	N71-22875 *	
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US-PATENT-APPL-SN-071416	c 33	N94-15952 *	US-PATENT-APPL-SN-103077	c 25	N72-32688 *	US-PATENT-APPL-SN-11853	c 15	N71-28951 *
US-PATENT-APPL-SN-071686	c 27	N90-16950 *	US-PATENT-APPL-SN-103078	c 15	N73-12486 *	US-PATENT-APPL-SN-118992	c 37	N88-29181 *
US-PATENT-APPL-SN-072857	c 24	N82-32417 *	US-PATENT-APPL-SN-103091	c 37	N74-23070 *	US-PATENT-APPL-SN-118993	c 52	N90-21519 *
US-PATENT-APPL-SN-073015	c 27	N94-15930 *	US-PATENT-APPL-SN-103229	c 14	N72-22439 *	US-PATENT-APPL-SN-118993	c 52	N92-11621 *
US-PATENT-APPL-SN-073018	c 63	N94-15958 *	US-PATENT-APPL-SN-103230	c 15	N73-14468 *	US-PATENT-APPL-SN-118995	c 32	N89-25363 *
US-PATENT-APPL-SN-073019	c 27	N94-15960 *	US-PATENT-APPL-SN-10329	c 09	N72-25251 *	US-PATENT-APPL-SN-119282	c 03	N72-23048 *
US-PATENT-APPL-SN-073235	c 74	N94-15933 *	US-PATENT-APPL-SN-103551	c 31	N73-14854 *	US-PATENT-APPL-SN-119334	c 31	N88-29052 *
US-PATENT-APPL-SN-073477	c 36	N82-32712 *	US-PATENT-APPL-SN-103836	c 37	N81-24443 *	US-PATENT-APPL-SN-119335	c 37	N82-24494 *
US-PATENT-APPL-SN-073539	c 18	N87-29586 *	US-PATENT-APPL-SN-104047	c 15	N72-31483 *	US-PATENT-APPL-SN-119336	c 33	N82-24421 *
US-PATENT-APPL-SN-073541	c 33	N90-19492 *	US-PATENT-APPL-SN-104048	c 31	N73-14855 *	US-PATENT-APPL-SN-119337	c 24	N81-33235 *
US-PATENT-APPL-SN-073579	c 33	N82-24415 *	US-PATENT-APPL-SN-104187	c 14	N70-38618 *	US-PATENT-APPL-SN-119339	c 36	N82-28616 *
US-PATENT-APPL-SN-073845	c 33	N94-15988 *	US-PATENT-APPL-SN-104188	c 09	N70-34819 *	US-PATENT-APPL-SN-119340	c 35	N82-11432 *
US-PATENT-APPL-SN-073847	c 18	N94-15935 *	US-PATENT-APPL-SN-104346	c 14	N73-28488 *	US-PATENT-APPL-SN-120241	c 15	N73-24513 *
US-PATENT-APPL-SN-074792	c 35	N88-30108 *	US-PATENT-APPL-SN-104684	c 15	N72-33476 *	US-PATENT-APPL-SN-120795	c 07	N70-40202 *
US-PATENT-APPL-SN-076643	c 32	N81-29308 *	US-PATENT-APPL-SN-104685	c 14	N73-24472 *	US-PATENT-APPL-SN-120797	c 14	N70-36824 *
US-PATENT-APPL-SN-076955	c 16	N90-22584 *	US-PATENT-APPL-SN-104951	c 37	N93-31314 *	US-PATENT-APPL-SN-120803	c 08	N70-34743 *
US-PATENT-APPL-SN-076956	c 35	N88-29151 *	US-PATENT-APPL-SN-105161	c 35	N94-15877 *	US-PATENT-APPL-SN-121328	c 23	N72-11568 *
US-PATENT-APPL-SN-077166	c 27	N94-17559 *	US-PATENT-APPL-SN-105518	c 23	N71-15978 *	US-PATENT-APPL-SN-122740	c 35	N88-23959 *
US-PATENT-APPL-SN-077470	c 35	N94-15875 *	US-PATENT-APPL-SN-105528	c 36	N94-15942 *	US-PATENT-APPL-SN-122965	c 35	N81-26431 *
US-PATENT-APPL-SN-078521	c 32	N81-14186 *	US-PATENT-APPL-SN-105728	c 76	N94-17327 *	US-PATENT-APPL-SN-122966	c 33	N82-26568 *
US-PATENT-APPL-SN-078611	c 04	N81-21047 *	US-PATENT-APPL-SN-105841	c 18	N89-28553 *	US-PATENT-APPL-SN-122967	c 24	N81-26179 *
US-PATENT-APPL-SN-078612	c 46	N82-12685 *	US-PATENT-APPL-SN-105846	c 24	N91-25200 *	US-PATENT-APPL-SN-123253	c 10	N73-12244 *
US-PATENT-APPL-SN-079316	c 26	N87-29650 *	US-PATENT-APPL-SN-105847	c 31	N89-14351 *	US-PATENT-APPL-SN-123597	c 21	N70-34297 *
US-PATENT-APPL-SN-079317	c 37	N88-30131 *	US-PATENT-APPL-SN-106106	c 91	N74-13130 *	US-PATENT-APPL-SN-124909	c 14	N73-16483 *
US-PATENT-APPL-SN-079320	c 27	N87-29672 *	US-PATENT-APPL-SN-106118	c 32	N80-16261 *	US-PATENT-APPL-SN-125021	c 74	N89-14077 *
US-PATENT-APPL-SN-079913	c 05	N82-28279 *	US-PATENT-APPL-SN-106119	c 35	N82-15381 *	US-PATENT-APPL-SN-125234	c 07	N73-16121 *
US-PATENT-APPL-SN-081180	c 27	N93-28423 *	US-PATENT-APPL-SN-106135	c 28	N70-34294 *	US-PATENT-APPL-SN-125235	c 51	N77-25769 *
US-PATENT-APPL-SN-081890	c 37	N93-31292 *	US-PATENT-APPL-SN-106136	c 33	N82-26572 *	US-PATENT-APPL-SN-125236	c 14	N73-26431 *
US-PATENT-APPL-SN-081910	c 27	N93-31316 *	US-PATENT-APPL-SN-106188	c 27	N80-16163 *	US-PATENT-APPL-SN-125666	c 32	N89-28676 *
US-PATENT-APPL-SN-082766	c 09	N90-20096 *	US-PATENT-APPL-SN-106192	c 34	N83-28356 *	US-PATENT-APPL-SN-125676	c 35	N90-17118 *
US-PATENT-APPL-SN-082766	c 04	N91-31120 *	US-PATENT-APPL-SN-106424	c 17	N73-24569 *	US-PATENT-APPL-SN-125677	c 32	N90-20280 *
US-PATENT-APPL-SN-083246	c 27	N93-31300 *	US-PATENT-APPL-SN-106465	c 30	N73-12884 *	US-PATENT-APPL-SN-125678	c 38	N90-23756 *
US-PATENT-APPL-SN-084058	c 24	N93-31299 *	US-PATENT-APPL-SN-107298	c 32	N73-13921 *	US-PATENT-APPL-SN-125686	c 33	N94-17324 *
US-PATENT-APPL-SN-084062	c 35	N90-20351 *	US-PATENT-APPL-SN-107376	c 15	N73-25513 *	US-PATENT-APPL-SN-125979	c 09	N72-25255 *
US-PATENT-APPL-SN-084064	c 27	N92-29157 *	US-PATENT-APPL-SN-107379	c 10	N72-33230 *	US-PATENT-APPL-SN-126063	c 44	N83-10501 *
US-PATENT-APPL-SN-084064	c 27	N94-23079 *	US-PATENT-APPL-SN-107380	c 28	N73-13773 *	US-PATENT-APPL-SN-126064	c 33	N82-18493 *
US-PATENT-APPL-SN-084770	c 32	N88-29076 *	US-PATENT-APPL-SN-107659	c 23	N73-20741 *	US-PATENT-APPL-SN-126138	c 34	N82-13376 *
US-PATENT-APPL-SN-085833	c 62	N91-14772 *	US-PATENT-APPL-SN-107866	c 17	N70-36616 *	US-PATENT-APPL-SN-12661	c 14	N72-22437 *
US-PATENT-APPL-SN-086584	c 35	N93-31298 *	US-PATENT-APPL-SN-107870	c 15	N70-36411 *	US-PATENT-APPL-SN-127234	c 08	N70-35423 *
US-PATENT-APPL-SN-086584	c 35	N94-23826 *	US-PATENT-APPL-SN-108107	c 37	N82-18601 *	US-PATENT-APPL-SN-127480	c 37	N75-26371 *
US-PATENT-APPL-SN-087281	c 52	N90-20616 *	US-PATENT-APPL-SN-10812	c 28	N70-40367 *	US-PATENT-APPL-SN-127481	c 24	N75-28135 *
US-PATENT-APPL-SN-087282	c 31	N89-12785 *	US-PATENT-APPL-SN-10827	c 14	N72-28436 *	US-PATENT-APPL-SN-127618	c 02	N73-13008 *
US-PATENT-APPL-SN-087283	c 71	N89-13236 *	US-PATENT-APPL-SN-108331	c 26	N89-14303 *	US-PATENT-APPL-SN-127647	c 15	N73-27405 *
US-PATENT-APPL-SN-087358	c 51	N91-14703 *	US-PATENT-APPL-SN-108810	c 33	N77-22386 *	US-PATENT-APPL-SN-127653	c 72	N94-17329 *
US-PATENT-APPL-SN-087359	c 35	N89-14422 *	US-PATENT-APPL-SN-108824	c 31	N73-13898 *	US-PATENT-APPL-SN-127915	c 02	N73-26004 *
US-PATENT-AP								

US-PATENT-APPL-SN-128230	c 60	N84-28491 *	US-PATENT-APPL-SN-145284	c 27	N82-24338 *	US-PATENT-APPL-SN-161256	c 44	N82-32841 *
US-PATENT-APPL-SN-128419	c 14	N73-20477 *	US-PATENT-APPL-SN-145719	c 25	N90-20154 *	US-PATENT-APPL-SN-161257	c 37	N85-29282 *
US-PATENT-APPL-SN-129071	c 09	N72-25254 *	US-PATENT-APPL-SN-146217	c 14	N71-34389 *	US-PATENT-APPL-SN-161681	c 76	N90-24169 *
US-PATENT-APPL-SN-129072	c 15	N73-13467 *	US-PATENT-APPL-SN-146935	c 14	N73-20475 *	US-PATENT-APPL-SN-161682	c 37	N91-14613 *
US-PATENT-APPL-SN-129073	c 15	N73-13464 *	US-PATENT-APPL-SN-146938	c 35	N88-23963 *	US-PATENT-APPL-SN-162100	c 33	N74-14939 *
US-PATENT-APPL-SN-129379	c 37	N79-33468 *	US-PATENT-APPL-SN-146939	c 73	N75-30876 *	US-PATENT-APPL-SN-162101	c 14	N73-24473 *
US-PATENT-APPL-SN-129579	c 28	N79-33581 *	US-PATENT-APPL-SN-146939	c 35	N92-21710 *	US-PATENT-APPL-SN-162230	c 26	N72-28761 *
US-PATENT-APPL-SN-129778	c 60	N82-24839 *	US-PATENT-APPL-SN-146939	c 09	N93-11057 *	US-PATENT-APPL-SN-162380	c 36	N74-21091 *
US-PATENT-APPL-SN-129779	c 60	N82-16747 *	US-PATENT-APPL-SN-146940	c 05	N73-32014 *	US-PATENT-APPL-SN-163122	c 07	N83-31603 *
US-PATENT-APPL-SN-129780	c 44	N82-24639 *	US-PATENT-APPL-SN-147099	c 14	N73-13417 *	US-PATENT-APPL-SN-163151	c 74	N75-25706 *
US-PATENT-APPL-SN-129783	c 04	N82-23231 *	US-PATENT-APPL-SN-147103	c 10	N73-20253 *	US-PATENT-APPL-SN-163152	c 17	N73-27446 *
US-PATENT-APPL-SN-129793	c 33	N82-16340 *	US-PATENT-APPL-SN-147695	c 32	N84-27952 *	US-PATENT-APPL-SN-163837	c 47	N83-32232 *
US-PATENT-APPL-SN-129798	c 27	N81-27271 *	US-PATENT-APPL-SN-147700	c 27	N82-24339 *	US-PATENT-APPL-SN-163838	c 23	N82-28353 *
US-PATENT-APPL-SN-129799	c 27	N82-18389 *	US-PATENT-APPL-SN-147922	c 28	N73-19793 *	US-PATENT-APPL-SN-163840	c 37	N81-33482 *
US-PATENT-APPL-SN-130058	c 33	N90-22724 *	US-PATENT-APPL-SN-147940	c 14	N72-10375 *	US-PATENT-APPL-SN-163928	c 27	N90-16949 *
US-PATENT-APPL-SN-130353	c 31	N73-14853 *	US-PATENT-APPL-SN-147996	c 28	N73-24784 *	US-PATENT-APPL-SN-164-584	c 24	N83-33950 *
US-PATENT-APPL-SN-130496	c 36	N83-10417 *	US-PATENT-APPL-SN-147997	c 15	N72-33477 *	US-PATENT-APPL-SN-164428	c 09	N70-35440 *
US-PATENT-APPL-SN-132364	c 07	N83-36029 *	US-PATENT-APPL-SN-148001	c 14	N70-34298 *	US-PATENT-APPL-SN-164617	c 06	N81-17057 *
US-PATENT-APPL-SN-13266	c 05	N73-23085 *	US-PATENT-APPL-SN-148756	c 15	N73-13466 *	US-PATENT-APPL-SN-165910	c 32	N83-31918 *
US-PATENT-APPL-SN-133412	c 33	N89-29681 *	US-PATENT-APPL-SN-149283	c 35	N74-17153 *	US-PATENT-APPL-SN-165943	c 37	N89-28831 *
US-PATENT-APPL-SN-133413	c 27	N90-23544 *	US-PATENT-APPL-SN-149526	c 52	N82-33996 *	US-PATENT-APPL-SN-165945	c 35	N90-22025 *
US-PATENT-APPL-SN-134479	c 14	N70-33179 *	US-PATENT-APPL-SN-149821	c 31	N88-23917 *	US-PATENT-APPL-SN-165946	c 20	N90-19298 *
US-PATENT-APPL-SN-134481	c 11	N70-34815 *	US-PATENT-APPL-SN-149822	c 35	N89-26202 *	US-PATENT-APPL-SN-165956	c 18	N90-19278 *
US-PATENT-APPL-SN-134567	c 14	N73-18484 *	US-PATENT-APPL-SN-149830	c 37	N88-23974 *	US-PATENT-APPL-SN-166487	c 11	N73-32152 *
US-PATENT-APPL-SN-134568	c 06	N72-31141 *	US-PATENT-APPL-SN-149883	c 31	N72-21893 *	US-PATENT-APPL-SN-166541	c 14	N73-13415 *
US-PATENT-APPL-SN-134571	c 21	N73-13644 *	US-PATENT-APPL-SN-150040	c 36	N82-29589 *	US-PATENT-APPL-SN-166969	c 15	N70-34249 *
US-PATENT-APPL-SN-134573	c 09	N72-25257 *	US-PATENT-APPL-SN-150115	c 44	N82-16475 *	US-PATENT-APPL-SN-166970	c 15	N70-36409 *
US-PATENT-APPL-SN-134619	c 35	N79-33449 *	US-PATENT-APPL-SN-150169	c 25	N91-31258 *	US-PATENT-APPL-SN-167719	c 16	N73-33397 *
US-PATENT-APPL-SN-134658	c 15	N73-28515 *	US-PATENT-APPL-SN-15019	c 15	N72-17455 *	US-PATENT-APPL-SN-168065	c 35	N91-14590 *
US-PATENT-APPL-SN-134782	c 09	N70-36494 *	US-PATENT-APPL-SN-15020	c 14	N70-34697 *	US-PATENT-APPL-SN-16808	c 14	N72-22445 *
US-PATENT-APPL-SN-134855	c 44	N81-24521 *	US-PATENT-APPL-SN-150215	c 33	N73-25952 *	US-PATENT-APPL-SN-168560	c 02	N70-34856 *
US-PATENT-APPL-SN-135038	c 33	N83-31954 *	US-PATENT-APPL-SN-15022	c 15	N72-21465 *	US-PATENT-APPL-SN-168650	c 14	N73-13416 *
US-PATENT-APPL-SN-135039	c 33	N82-24416 *	US-PATENT-APPL-SN-15023	c 15	N70-34699 *	US-PATENT-APPL-SN-168943	c 54	N82-26987 *
US-PATENT-APPL-SN-135040	c 09	N82-11088 *	US-PATENT-APPL-SN-15024	c 09	N72-21245 *	US-PATENT-APPL-SN-168944	c 37	N82-32731 *
US-PATENT-APPL-SN-135056	c 37	N81-33483 *	US-PATENT-APPL-SN-15025	c 03	N72-20033 *	US-PATENT-APPL-SN-169671	c 10	N73-30205 *
US-PATENT-APPL-SN-135057	c 08	N82-32373 *	US-PATENT-APPL-SN-150690	c 35	N79-33450 *	US-PATENT-APPL-SN-169962	c 34	N74-30608 *
US-PATENT-APPL-SN-135058	c 25	N82-26396 *	US-PATENT-APPL-SN-151112	c 15	N70-34814 *	US-PATENT-APPL-SN-169977	c 14	N70-34794 *
US-PATENT-APPL-SN-135120	c 37	N88-23973 *	US-PATENT-APPL-SN-151114	c 31	N70-34176 *	US-PATENT-APPL-SN-170440	c 15	N73-13462 *
US-PATENT-APPL-SN-136006	c 09	N72-28225 *	US-PATENT-APPL-SN-151411	c 07	N73-26118 *	US-PATENT-APPL-SN-170544	c 36	N77-19416 *
US-PATENT-APPL-SN-136007	c 09	N71-34212 *	US-PATENT-APPL-SN-151412	c 09	N73-32112 *	US-PATENT-APPL-SN-170680	c 34	N74-15652 *
US-PATENT-APPL-SN-136008	c 27	N74-13270 *	US-PATENT-APPL-SN-151413	c 14	N73-12447 *	US-PATENT-APPL-SN-170681	c 10	N73-25240 *
US-PATENT-APPL-SN-136085	c 17	N73-12547 *	US-PATENT-APPL-SN-151598	c 03	N70-34134 *	US-PATENT-APPL-SN-17101	c 28	N72-18766 *
US-PATENT-APPL-SN-136086	c 15	N73-19457 *	US-PATENT-APPL-SN-15222	c 18	N72-25539 *	US-PATENT-APPL-SN-171928	c 33	N82-26570 *
US-PATENT-APPL-SN-136253	c 07	N74-12814 *	US-PATENT-APPL-SN-152328	c 02	N74-20646 *	US-PATENT-APPL-SN-171933	c 37	N82-12441 *
US-PATENT-APPL-SN-136652	c 27	N84-24577 *	US-PATENT-APPL-SN-152849	c 15	N73-30457 *	US-PATENT-APPL-SN-171934	c 35	N82-26628 *
US-PATENT-APPL-SN-136660	c 31	N83-34073 *	US-PATENT-APPL-SN-153240	c 33	N86-19515 *	US-PATENT-APPL-SN-172098	c 33	N80-29583 *
US-PATENT-APPL-SN-137391	c 36	N75-31426 *	US-PATENT-APPL-SN-153245	c 74	N83-29032 *	US-PATENT-APPL-SN-172099	c 32	N82-27558 *
US-PATENT-APPL-SN-137912	c 06	N72-21105 *	US-PATENT-APPL-SN-153246	c 52	N82-29863 *	US-PATENT-APPL-SN-172100	c 27	N82-33520 *
US-PATENT-APPL-SN-138227	c 26	N72-27784 *	US-PATENT-APPL-SN-153266	c 02	N70-38011 *	US-PATENT-APPL-SN-172100	c 31	N90-21215 *
US-PATENT-APPL-SN-138229	c 15	N72-32487 *	US-PATENT-APPL-SN-153542	c 28	N73-32606 *	US-PATENT-APPL-SN-172101	c 76	N90-23242 *
US-PATENT-APPL-SN-138230	c 32	N73-20740 *	US-PATENT-APPL-SN-153543	c 08	N73-26176 *	US-PATENT-APPL-SN-172102	c 26	N89-28621 *
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US-PATENT-APPL-SN-139006	c 09	N70-38604 *	US-PATENT-APPL-SN-153930	c 52	N94-17085 *	US-PATENT-APPL-SN-172105	c 63	N91-31885 *
US-PATENT-APPL-SN-139007	c 28	N70-37245 *	US-PATENT-APPL-SN-154094	c 33	N72-27959 *	US-PATENT-APPL-SN-172459	c 06	N73-16106 *
US-PATENT-APPL-SN-139012	c 03	N70-38713 *	US-PATENT-APPL-SN-154663	c 02	N81-26073 *	US-PATENT-APPL-SN-172727	c 33	N81-26360 *
US-PATENT-APPL-SN-139094	c 05	N73-32011 *	US-PATENT-APPL-SN-154663	c 09	N82-29330 *	US-PATENT-APPL-SN-172807	c 07	N73-28012 *
US-PATENT-APPL-SN-139250	c 04	N73-27052 *	US-PATENT-APPL-SN-154711	c 33	N88-24863 *	US-PATENT-APPL-SN-173081	c 28	N70-36806 *
US-PATENT-APPL-SN-139528	c 03	N72-25020 *	US-PATENT-APPL-SN-154712	c 37	N88-24969 *	US-PATENT-APPL-SN-173178	c 33	N77-21315 *
US-PATENT-APPL-SN-139596	c 33	N77-13315 *	US-PATENT-APPL-SN-154713	c 72	N89-29169 *	US-PATENT-APPL-SN-173185	c 23	N73-13660 *
US-PATENT-APPL-SN-140185	c 76	N91-21911 *	US-PATENT-APPL-SN-154716	c 74	N88-25302 *	US-PATENT-APPL-SN-173190	c 05	N73-32015 *
US-PATENT-APPL-SN-140185	c 74	N91-31950 *	US-PATENT-APPL-SN-154718	c 74	N88-25301 *	US-PATENT-APPL-SN-173518	c 60	N82-29013 *
US-PATENT-APPL-SN-140185	c 74	N92-29158 *	US-PATENT-APPL-SN-154725	c 37	N82-24493 *	US-PATENT-APPL-SN-173519	c 44	N82-26776 *
US-PATENT-APPL-SN-140185	c 33	N93-20119 *	US-PATENT-APPL-SN-154726	c 25	N81-25159 *	US-PATENT-APPL-SN-173520	c 31	N83-27058 *
US-PATENT-APPL-SN-140439	c 33	N75-19518 *	US-PATENT-APPL-SN-154930	c 44	N76-14600 *	US-PATENT-APPL-SN-173524	c 35	N82-32659 *
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US-PATENT-APPL-SN-140509	c 09	N70-35382 *	US-PATENT-APPL-SN-154935	c 11	N72-27262 *	US-PATENT-APPL-SN-174684	c 33	N75-31331 *
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US-PATENT-APPL-SN-538911	c 33	N71-22792 *	US-PATENT-APPL-SN-554950	c 17	N71-23248 *	US-PATENT-APPL-SN-568127	c 34	N91-13658 *
US-PATENT-APPL-SN-538913	c 14	N71-17627 *	US-PATENT-APPL-SN-554959	c 27	N79-21191 *	US-PATENT-APPL-SN-568128	c 27	N93-22033 *
US-PATENT-APPL-SN-538982	c 33	N77-14333 *	US-PATENT-APPL-SN-555189	c 08	N71-27255 *	US-PATENT-APPL-SN-568129	c 74	N91-13998 *
US-PATENT-APPL-SN-538983	c 33	N76-18353 *	US-PATENT-APPL-SN-555336	c 33	N76-27473 *	US-PATENT-APPL-SN-568130	c 44	N92-16457 *
US-PATENT-APPL-SN-539230	c 37	N85-30335 *	US-PATENT-APPL-SN-55534	c 11	N72-25288 *	US-PATENT-APPL-SN-568160	c 10	N71-18724 *
US-PATENT-APPL-SN-539237	c 33	N71-16278 *	US-PATENT-APPL-SN-55535	c 14	N73-20474 *	US-PATENT-APPL-SN-568346	c 04	N69-27487 *
US-PATENT-APPL-SN-539255	c 18	N71-26153 *	US-PATENT-APPL-SN-55536	c 14	N72-29464 *	US-PATENT-APPL-SN-568352	c 09	N71-20842 *
US-PATENT-APPL-SN-539255	c 17	N72-28536 *	US-PATENT-APPL-SN-55537	c 18	N72-25540 *	US-PATENT-APPL-SN-568354	c 14	N71-22752 *
US-PATENT-APPL-SN-540414	c 15	N71-22799 *	US-PATENT-APPL-SN-555641	c 51	N76-29891 *	US-PATENT-APPL-SN-568355	c 32	N71-23971 *
US-PATENT-APPL-SN-540779	c 33	N79-12331 *	US-PATENT-APPL-SN-555750	c 27	N79-12221 *	US-PATENT-APPL-SN-568356	c 14	N71-15599 *
US-PATENT-APPL-SN-540976	c 32	N91-13598 *	US-PATENT-APPL-SN-555864	c 26	N93-14705 *	US-PATENT-APPL-SN-568362	c 03	N69-39983 *
US-PATENT-APPL-SN-540976	c 32	N92-10128 *	US-PATENT-APPL-SN-555861	c 74	N86-26190 *	US-PATENT-APPL-SN-568364	c 10	N71-26418 *
US-PATENT-APPL-SN-541399	c 14	N71-20428 *	US-PATENT-APPL-SN-555862	c 37	N86-25789 *	US-PATENT-APPL-SN-568541	c 24	N77-28225 *
US-PATENT-APPL-SN-541526	c 33	N87-14594 *	US-PATENT-APPL-SN-555863	c 33	N85-29143 *	US-PATENT-APPL-SN-568541	c 27	N81-14077 *
US-PATENT-APPL-SN-542127	c 20	N76-21276 *	US-PATENT-APPL-SN-555864	c 35	N86-25753 *	US-PATENT-APPL-SN-568620	c 10	N71-26626 *
US-PATENT-APPL-SN-542192	c 26	N75-27126 *	US-PATENT-APPL-SN-555874	c 09	N71-20447 *	US-PATENT-APPL-SN-568987	c 10	N71-19547 *
US-PATENT-APPL-SN-542232	c 33	N86-19516 *	US-PATENT-APPL-SN-555880	c 15	N71-26294 *	US-PATENT-APPL-SN-569370	c 43	N84-23012 *
US-PATENT-APPL-SN-542557	c 44	N85-30474 *	US-PATENT-APPL-SN-557016	c 15	N71-23086 *	US-PATENT-APPL-SN-569372	c 76	N85-33826 *
US-PATENT-APPL-SN-54270	c 07	N72-25173 *	US-PATENT-APPL-SN-557430	c 52	N77-14737 *	US-PATENT-APPL-SN-569925	c 07	N77-17059 *
US-PATENT-APPL-SN-542713	c 23	N71-23976 *	US-PATENT-APPL-SN-557448	c 45	N76-17656 *	US-PATENT-APPL-SN-570093	c 06	N71-17075 *
US-PATENT-APPL-SN-54271	c 02	N73-19004 *	US-PATENT-APPL-SN-557565	c 24	N77-27187 *	US-PATENT-APPL-SN-570095	c 14	N71-23226 *
US-PATENT-APPL-SN-542754	c 34	N76-18374 *	US-PATENT-APPL-SN-557584	c 09	N71-20851 *	US-PATENT-APPL-SN-570097	c 15	N69-23185 *
US-PATENT-APPL-SN-543206	c 05	N71-23159 *	US-PATENT-APPL-SN-557861	c 03	N71-24605 *	US-PATENT-APPL-SN-570678	c 17	N71-25903 *
US-PATENT-APPL-SN-543774	c 06	N69-39733 *	US-PATENT-APPL-SN-557868	c 14	N70-41682 *	US-PATENT-APPL-SN-571058	c 24	N91-27244 *
US-PATENT-APPL-SN-543915	c 60	N93-22032 *	US-PATENT-APPL-SN-557871	c 10	N71-21483 *	US-PATENT-APPL-SN-571059	c 24	N91-13502 *
US-PATENT-APPL-SN-543926	c 37	N91-27562 *	US-PATENT-APPL-SN-55806	c 06	N72-31140 *	US-PATENT-APPL-SN-571062	c 37	N91-13732 *
US-PATENT-APPL-SN-544293	c 32	N91-13594 *	US-PATENT-APPL-SN-558600	c 74	N77-10899 *	US-PATENT-APPL-SN-571344	c 35	N92-10186 *
US-PATENT-APPL-SN-544611	c 33	N76-15373 *	US-PATENT-APPL-SN-558055	c 33	N71-29046 *	US-PATENT-APPL-SN-571458	c 44	N77-10635 *
US-PATENT-APPL-SN-544895	c 07	N71-28809 *	US-PATENT-APPL-SN-558349	c 33	N71-24145 *	US-PATENT-APPL-SN-571459	c 54	N78-14784 *
US-PATENT-APPL-SN-544899	c 09	N71-20569 *	US-PATENT-APPL-SN-558350	c 33	N71-28892 *	US-PATENT-APPL-SN-571613	c 74	N86-20124 *
US-PATENT-APPL-SN-545008	c 89	N92-33012 *	US-PATENT-APPL-SN-559351	c 14	N69-39785 *	US-PATENT-APPL-SN-571614	c 35	N86-20750 *
US-PATENT-APPL-SN-545014	c 43	N90-26384 *	US-PATENT-APPL-SN-559845	c 35	N76-29551 *	US-PATENT-APPL-SN-571615	c 74	N87-14971 *
US-PATENT-APPL-SN-545016	c 76	N92-10681 *	US-PATENT-APPL-SN-559846	c 34	N79-13289 *	US-PATENT-APPL-SN-571616	c 25	N86-19413 *
US-PATENT-APPL-SN-545019	c 60	N93-14704 *	US-PATENT-APPL-SN-559846	c 34	N80-24573 *	US-PATENT-APPL-SN-571617	c 26	N85-35267 *
US-PATENT-APPL-SN-545089	c 89	N90-27594 *	US-PATENT-APPL-SN-559847	c 34	N79-13288 *	US-PATENT-APPL-SN-571687	c 47	N91-15661 *
US-PATENT-APPL-SN-545170	c 61	N90-27340 *	US-PATENT-APPL-SN-559988	c 71	N85-29693 *	US-PATENT-APPL-SN-571821	c 20	N76-22296 *
US-PATENT-APPL-SN-545177	c 74	N91-32922 *	US-PATENT-APPL-SN-560035	c 24	N85-30027 *	US-PATENT-APPL-SN-57252	c 14	N72-25414 *
US-PATENT-APPL-SN-545178	c 37	N91-13733 *	US-PATENT-APPL-SN-560691	c 32	N91-27439 *	US-PATENT-APPL-SN-57253	c 18	N72-25541 *
US-PATENT-APPL-SN-545220	c 89	N91-14096 *	US-PATENT-APPL-SN-560717	c 27	N92-33014 *	US-PATENT-APPL-SN-572990	c 37	N78-16369 *
US-PATENT-APPL-SN-545223	c 03	N71-11056 *	US-PATENT-APPL-SN-560891	c 73	N78-19920 *	US-PATENT-APPL-SN-572991	c 51	N77-22794 *
US-PATENT-APPL-SN-545224	c 15	N69-21362 *	US-PATENT-APPL-SN-560908	c 31	N91-27385 *	US-PATENT-APPL-SN-573029	c 07	N79-14097 *
US-PATENT-APPL-SN-545228	c 07	N69-39736 *	US-PATENT-APPL-SN-560923	c 02	N92-28729 *	US-PATENT-APPL-SN-573162	c 37	N86-27630 *
US-PATENT-APPL-SN-545229	c 03	N69-21469 *	US-PATENT-APPL-SN-560924	c 74	N91-25840 *	US-PATENT-APPL-SN-573432	c 14	N71-23790 *
US-PATENT-APPL-SN-545233	c 51	N93-10109 *	US-PATENT-APPL-SN-560926	c 24	N92-21725 *	US-PATENT-APPL-SN-57399	c 03	N72-20034 *
US-PATENT-APPL-SN-545235	c 63	N91-13944 *	US-PATENT-APPL-SN-560967	c 15	N69-21922 *	US-PATENT-APPL-SN-574208	c 37	N76-29590 *
US-PATENT-APPL-SN-545236	c 31	N92-15203 *	US-PATENT-APPL-SN-560968	c 10	N71-24863 *	US-PATENT-APPL-SN-574218	c 52	N76-29895 *
US-PATENT-APPL-SN-545282	c 35	N76-24524 *	US-PATENT-APPL-SN-560969	c 14	N71-15622 *	US-PATENT-APPL-SN-574219	c 35	N76-31490 *
US-PATENT-APPL-SN-545283	c 32	N77-12239 *	US-PATENT-APPL-SN-561020	c 44	N76-23675 *	US-PATENT-APPL-SN-574280	c 15	N69-21460 *
US-PATENT-APPL-SN-545284	c 34	N76-27517 *	US-PATENT-APPL-SN-561223	c 14	N71-20427 *	US-PATENT-APPL-SN-574282	c 15	N69-23190 *
US-PATENT-APPL-SN-54540	c 15	N72-29488 *	US-PATENT-APPL-SN-561369	c 35	N84-33766 *	US-PATENT-APPL-SN-574282	c 15	N71-23025 *
US-PATENT-APPL-SN-54540	c 37	N74-15125 *	US-PATENT-APPL-SN-561429	c 27	N85-21351 *	US-PATENT-APPL-SN-574283	c 14	N69-24257 *
US-PATENT-APPL-SN-54552	c 27	N70-34783 *	US-PATENT-APPL-SN-561431	c 27	N85-21350 *	US-PATENT-APPL-SN-574284	c 08	N71-19763 *
US-PATENT-APPL-SN-54552	c 20	N77-17143 *	US-PATENT-APPL-SN-561432	c 20	N86-26368 *	US-PATENT-APPL-SN-574290	c 14	N71-20439 *
US-PATENT-APPL-SN-545535	c 03	N69-21539 *	US-PATENT-APPL-SN-561433	c 35	N86-20752 *	US-PATENT-APPL-SN-575291	c 33	N71-29151 *
US-PATENT-APPL-SN-545793	c 20	N80-14188 *	US-PATENT-APPL-SN-561434	c 25	N85-30039 *	US-PATENT-APPL-SN-575475	c 05	N69-23192 *
US-PATENT-APPL-SN-545805	c 15	N71-21744 *	US-PATENT-APPL-SN-561435	c 27	N85-21352 *	US-PATENT-APPL-SN-575694	c 76	N91-14066 *
US-PATENT-APPL-SN-546142	c 09	N69-24329 *	US-PATENT-APPL-SN-561764	c 32	N77-10392 *	US-PATENT-APPL-SN-575695	c 35	N92-21586 *
US-PATENT-APPL-SN-546148	c 11	N71-22875 *	US-PATENT-APPL-SN-561956	c 35	N77-17426 *	US-PATENT-APPL-SN-575697	c 39	N93-24596 *
US-PATENT-APPL-SN-546149	c 16	N71-24170 *	US-PATENT-APPL-SN-562095	c 52	N92-28755 *	US-PATENT-APPL-SN-575708	c 76	N91-16815 *
US-PATENT-APPL-SN-547072	c 15	N71-24043 *	US-PATENT-APPL-SN-562176	c 35	N93-19387 *	US-PATENT-APPL-SN-575736	c 76	N92-25398 *
US-PATENT-APPL-SN-547072	c 35	N78-32397 *	US-PATENT-APPL-SN-562443	c 09	N69-39734 *	US-PATENT-APPL-SN-575737	c 18	N92-33013 *
US-PATENT-APPL-SN-547175	c 76	N84-12968 *	US-PATENT-APPL-SN-562444	c 14	N71-22995 *	US-PATENT-APPL-SN-575930	c 06	N71-23230 *
US-PATENT-APPL-SN-547176	c 37	N85-29286 *	US-PATENT-APPL-SN-562445	c 14	N71-23797 *	US-PATENT-APPL-SN-576182	c 33	N71-24276 *
US-PATENT-APPL-SN-547643	c 33	N79-33392 *	US-PATENT-APPL-SN-562499	c 32	N77-31350 *	US-PATENT-APPL-SN-576183	c 09	N71-23525 *
US-PATENT-APPL-SN-547677	c 10	N71-20448 *	US-PATENT-APPL-SN-562558	c 31	N79-21227 *	US-PATENT-APPL-SN-576195	c 14	N71-21079 *
US-PATENT-APPL-SN-548468	c 37	N76-27567 *	US-PATENT-APPL-SN-562933	c 10	N71-24799 *	US-PATENT-APPL-SN-576308	c 07	N85-35194 *
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US-PATENT-APPL-SN-548582	c 39	N86-20841 *	US-PATENT-APPL-SN-562992	c 27	N78-32261 *	US-PATENT-APPL-SN-576521	c 09	N71-20864 *
US-PATENT-APPL-SN-548583	c 27	N85-34282 *	US-PATENT-APPL-SN-563049	c 17	N76-29347 *	US-PATENT-APPL-SN-576774	c 60	N77-19760 *
US-PATENT-APPL-SN-548584	c 24	N84-34571 *	US-PATENT-APPL-SN-563050	c 37	N76-31524 *	US-PATENT-APPL-SN-576792	c 14	N71-26136 *
US-PATENT-APPL-SN-548808	c 14	N71-23227 *	US-PATENT-APPL-SN-563283	c 35	N76-18401 *	US-PATENT-APPL-SN-576797	c 09	N69-24318 *
US-PATENT-APPL-SN-549418	c 36	N76-31512 *	US-PATENT-APPL-SN-563644	c 15	N71-18613 *	US-PATENT-APPL-SN-577114	c 15	N69-24320 *
US-PATENT-APPL-SN-549860	c 03	N71-19438 *	US-PATENT-APPL-SN-563646	c 05	N71-23096 *	US-PATENT-APPL-SN-577115	c 15	N71-17647 *
US-PATENT-APPL-SN-550088	c 07	N71-24612 *	US-PATENT-APPL-SN-563648	c 15	N71-17803 *	US-PATENT-APPL-SN-577545	c 08	N71-18693 *
US-PATENT-APPL-SN-550681	c 02	N87-16793 *	US-PATENT-APPL-SN-563650	c 25	N69-21929 *	US-PATENT-APPL-SN-577546	c 31	N71-23008 *
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US-PATENT-APPL-SN-551184	c 37	N76-22541 *	US-PATENT-APPL-SN-563890	c 35	N85-34373 *	US-PATENT-APPL-SN-577548	c 14	N72-28438 *
US-PATENT-APPL-SN-551536	c 04	N86-27270 *	US-PATENT-APPL-SN-564622	c 37	N77-31497 *	US-PATENT-APPL-SN-577549	c 15	N71-22721 *
US-PATENT-APPL-SN-551694	c 31	N71-18611 *	US-PATENT-APPL-SN-564919	c 09	N71-23316 *	US-PATENT-APPL-SN-577775	c 14	N71-17574 *
US-PATENT-APPL-SN-551815	c 02	N71-11038 *	US-PATENT-APPL-SN-565090	c 05	N91-31140 *	US-PATENT-APPL-SN-577778	c 03	N71-11050 *
US-PATENT-APPL-SN-551846	c 03	N71-20492 *	US-PATENT-APPL-SN-565162	c 35	N79-14348 *	US-PATENT-APPL-SN-578043	c 24	N91-15333 *
US-PATENT-APPL-SN-551933	c 33	N71-14032 *	US-PATENT-APPL-SN-565289	c 38	N77-17495 *	US-PATENT-APPL-SN-578240	c 34	N77-18382 *
US-PATENT-APPL-SN-551961	c 15	N70-33376 *	US-PATENT-APPL-SN-565290	c 17	N76-22245 *	US-PATENT-APPL-SN-578241	c 52	N76-29896 *
US-PATENT-APPL-SN-552108	c 07	N79-14096 *	US-PATENT-APPL-SN-565481	c 09	N86-32447 *	US-PATENT-APPL-SN-578387	c 06	N87-22678 *
US-PATENT-APPL-SN-552344	c 09	N69-27463 *	US-PATENT-APPL-SN-566392	c 14	N71-23175 *	US-PATENT-APPL-SN-578388	c 06	N86-27280 *
US-PATENT-APPL-SN-552								

US-PATENT-APPL-SN-578916	c 14	N71-23036 *	US-PATENT-APPL-SN-591930	c 03	N69-21330 *	US-PATENT-APPL-SN-605518	c 15	N71-23023 *
US-PATENT-APPL-SN-578923	c 15	N71-21403 *	US-PATENT-APPL-SN-592159	c 07	N76-27232 *	US-PATENT-APPL-SN-605964	c 06	N73-30103 *
US-PATENT-APPL-SN-578925	c 23	N71-16355 *	US-PATENT-APPL-SN-592680	c 15	N71-22877 *	US-PATENT-APPL-SN-605994	c 06	N73-30101 *
US-PATENT-APPL-SN-578926	c 06	N69-39936 *	US-PATENT-APPL-SN-592694	c 05	N71-12342 *	US-PATENT-APPL-SN-606027	c 06	N73-30099 *
US-PATENT-APPL-SN-578928	c 26	N71-21824 *	US-PATENT-APPL-SN-593142	c 37	N77-17464 *	US-PATENT-APPL-SN-606036	c 06	N73-30100 *
US-PATENT-APPL-SN-578931	c 23	N71-21882 *	US-PATENT-APPL-SN-593412	c 25	N91-32196 *	US-PATENT-APPL-SN-606426	c 74	N86-29650 *
US-PATENT-APPL-SN-578932	c 08	N71-12505 *	US-PATENT-APPL-SN-593593	c 06	N71-11239 *	US-PATENT-APPL-SN-606431	c 37	N86-25791 *
US-PATENT-APPL-SN-579121	c 15	N71-29136 *	US-PATENT-APPL-SN-593594	c 06	N71-11236 *	US-PATENT-APPL-SN-606432	c 74	N87-21679 *
US-PATENT-APPL-SN-579300	c 20	N79-21123 *	US-PATENT-APPL-SN-593595	c 06	N71-24740 *	US-PATENT-APPL-SN-606462	c 08	N71-24891 *
US-PATENT-APPL-SN-579375	c 07	N77-14025 *	US-PATENT-APPL-SN-593604	c 11	N69-27486 *	US-PATENT-APPL-SN-606463	c 14	N71-24864 *
US-PATENT-APPL-SN-579376	c 20	N79-21125 *	US-PATENT-APPL-SN-593605	c 06	N71-11242 *	US-PATENT-APPL-SN-606464	c 15	N71-18579 *
US-PATENT-APPL-SN-579989	c 34	N77-32413 *	US-PATENT-APPL-SN-593606	c 06	N71-11243 *	US-PATENT-APPL-SN-606891	c 44	N77-14581 *
US-PATENT-APPL-SN-580365	c 15	N77-32255 *	US-PATENT-APPL-SN-593607	c 07	N71-26102 *	US-PATENT-APPL-SN-606988	c 35	N92-29135 *
US-PATENT-APPL-SN-580397	c 37	N87-21333 *	US-PATENT-APPL-SN-594134	c 74	N86-20125 *	US-PATENT-APPL-SN-607461	c 05	N71-12346 *
US-PATENT-APPL-SN-580419	c 34	N85-33433 *	US-PATENT-APPL-SN-594584	c 14	N71-25892 *	US-PATENT-APPL-SN-607484	c 09	N71-26002 *
US-PATENT-APPL-SN-580573	c 44	N85-34441 *	US-PATENT-APPL-SN-594587	c 28	N71-21493 *	US-PATENT-APPL-SN-607608	c 14	N69-27484 *
US-PATENT-APPL-SN-580574	c 18	N84-22610 *	US-PATENT-APPL-SN-594633	c 15	N71-24046 *	US-PATENT-APPL-SN-607969	c 09	N76-23273 *
US-PATENT-APPL-SN-58147	c 28	N70-33356 *	US-PATENT-APPL-SN-595197	c 33	N77-10429 *	US-PATENT-APPL-SN-608247	c 15	N71-20813 *
US-PATENT-APPL-SN-581514	c 70	N75-26789 *	US-PATENT-APPL-SN-595254	c 17	N78-17140 *	US-PATENT-APPL-SN-608452	c 74	N92-16809 *
US-PATENT-APPL-SN-581750	c 07	N78-17055 *	US-PATENT-APPL-SN-595745	c 37	N77-32501 *	US-PATENT-APPL-SN-608482	c 74	N77-20882 *
US-PATENT-APPL-SN-581751	c 37	N78-10468 *	US-PATENT-APPL-SN-595747	c 37	N77-32500 *	US-PATENT-APPL-SN-608483	c 09	N77-19076 *
US-PATENT-APPL-SN-581843	c 31	N79-21226 *	US-PATENT-APPL-SN-596105	c 35	N91-15520 *	US-PATENT-APPL-SN-608493	c 24	N92-16025 *
US-PATENT-APPL-SN-582171	c 32	N71-16428 *	US-PATENT-APPL-SN-596133	c 74	N91-25841 *	US-PATENT-APPL-SN-608493	c 24	N93-29609 *
US-PATENT-APPL-SN-582213	c 32	N74-22096 *	US-PATENT-APPL-SN-596139	c 33	N92-28753 *	US-PATENT-APPL-SN-608494	c 34	N91-23410 *
US-PATENT-APPL-SN-582318	c 33	N76-27472 *	US-PATENT-APPL-SN-596338	c 09	N71-20816 *	US-PATENT-APPL-SN-608504	c 39	N92-29101 *
US-PATENT-APPL-SN-582492	c 52	N85-30618 *	US-PATENT-APPL-SN-596341	c 07	N77-23106 *	US-PATENT-APPL-SN-608657	c 37	N91-31656 *
US-PATENT-APPL-SN-582494	c 36	N84-25037 *	US-PATENT-APPL-SN-596641	c 37	N78-10467 *	US-PATENT-APPL-SN-608658	c 37	N93-23078 *
US-PATENT-APPL-SN-582495	c 44	N86-27706 *	US-PATENT-APPL-SN-596733	c 15	N72-11389 *	US-PATENT-APPL-SN-608741	c 23	N85-28973 *
US-PATENT-APPL-SN-582609	c 10	N71-19467 *	US-PATENT-APPL-SN-596735	c 32	N71-24285 *	US-PATENT-APPL-SN-60876	c 15	N72-27485 *
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US-PATENT-APPL-SN-780873	c 32	N81-27341 *	US-PATENT-APPL-SN-793006	c 52	N86-19885 #	US-PATENT-APPL-SN-805549	c 35	N79-16246 *
US-PATENT-APPL-SN-780874	c 35	N78-28411 *	US-PATENT-APPL-SN-793657	c 17	N72-28536 *	US-PATENT-APPL-SN-806066	c 02	N93-22015 #
US-PATENT-APPL-SN-780938	c 54	N80-10799 *	US-PATENT-APPL-SN-793770	c 25	N71-15562 *	US-PATENT-APPL-SN-806149	c 27	N71-16223 *
US-PATENT-APPL-SN-781520	c 31	N93-13422 *	US-PATENT-APPL-SN-793771	c 14	N72-22440 *	US-PATENT-APPL-SN-806226	c 14	N71-27407 *
US-PATENT-APPL-SN-781521	c 33	N93-18285 *	US-PATENT-APPL-SN-793772	c 10	N71-18722 *	US-PATENT-APPL-SN-806440	c 51	N79-10694 *
US-PATENT-APPL-SN-781625	c 18	N92-24244 #	US-PATENT-APPL-SN-793823	c 09	N71-33109 *	US-PATENT-APPL-SN-806572	c 27	N87-25469 *
US-PATENT-APPL-SN-781812	c 36	N87-23960 *	US-PATENT-APPL-SN-793974	c 37	N94-20369 *	US-PATENT-APPL-SN-807597	c 52	N80-16725 *
US-PATENT-APPL-SN-781813	c 27	N87-14516 *	US-PATENT-APPL-SN-794530	c 15	N72-11386 *	US-PATENT-APPL-SN-807703	c 37	N78-27424 *
US-PATENT-APPL-SN-782009	c 36	N93-14703 *	US-PATENT-APPL-SN-794968	c 15	N71-27146 *	US-PATENT-APPL-SN-807762	c 27	N78-31233 *
US-PATENT-APPL-SN-782462	c 33	N79-17133 *	US-PATENT-APPL-SN-795182	c 07	N71-24840 *	US-PATENT-APPL-SN-808192	c 15	N71-27432 *
US-PATENT-APPL-SN-782463	c 72	N79-13826 *	US-PATENT-APPL-SN-795217	c 33	N71-25351 *	US-PATENT-APPL-SN-808193	c 31	N71-26537 *
US-PATENT-APPL-SN-782464	c 32	N79-14267 *	US-PATENT-APPL-SN-795805	c 08	N88-23808 *	US-PATENT-APPL-SN-808302	c 74	N93-22037 *
US-PATENT-APPL-SN-782480	c 33	N78-32340 *	US-PATENT-APPL-SN-795945	c 37	N87-25573 *	US-PATENT-APPL-SN-808462	c 10	N71-27136 *
US-PATENT-APPL-SN-782481	c 44	N78-32542 *	US-PATENT-APPL-SN-796053	c 37	N87-22985 *	US-PATENT-APPL-SN-808510	c 33	N78-32338 *
US-PATENT-APPL-SN-782482	c 33	N79-11315 *	US-PATENT-APPL-SN-796256	c 52	N80-18691 *	US-PATENT-APPL-SN-808576	c 15	N71-27754 *
US-PATENT-APPL-SN-782544	c 14	N71-27325 *	US-PATENT-APPL-SN-796258	c 52	N82-22875 *	US-PATENT-APPL-SN-808577	c 32	N71-25360 *
US-PATENT-APPL-SN-782693	c 33	N79-10337 *	US-PATENT-APPL-SN-796263	c 27	N79-28307 *	US-PATENT-APPL-SN-808822	c 14	N73-16483 *
US-PATENT-APPL-SN-782955	c 10	N71-33108 *	US-PATENT-APPL-SN-796358	c 05	N72-11085 *	US-PATENT-APPL-SN-808981	c 27	N92-25397 *
US-PATENT-APPL-SN-782956	c 07	N71-25865 *	US-PATENT-APPL-SN-796360	c 15	N71-24696 *	US-PATENT-APPL-SN-809822	c 28	N71-27585 *
US-PATENT-APPL-SN-783374	c 15	N71-27147 *	US-PATENT-APPL-SN-796370	c 10	N71-27366 *	US-PATENT-APPL-SN-809851	c 33	N87-23904 *
US-PATENT-APPL-SN-783375	c 07	N71-24621 *	US-PATENT-APPL-SN-796405	c 14	N71-27185 *	US-PATENT-APPL-SN-809890	c 44	N79-17314 *
US-PATENT-APPL-SN-783377	c 05	N71-28619 *	US-PATENT-APPL-SN-796496	c 37	N93-18286 *	US-PATENT-APPL-SN-809890	c 44	N80-14474 *
US-PATENT-APPL-SN-783378	c 07	N71-19436 *	US-PATENT-APPL-SN-796685	c 26	N72-28762 *	US-PATENT-APPL-SN-809975	c 44	N87-17399 *
US-PATENT-APPL-SN-783379	c 15	N71-17653 *	US-PATENT-APPL-SN-796690	c 07	N72-21119 *	US-PATENT-APPL-SN-810575	c 15	N71-27169 *
US-PATENT-APPL-SN-783866	c 37	N87-17035 *	US-PATENT-APPL-SN-796691	c 10	N71-26334 *	US-PATENT-APPL-SN-810576	c 15	N73-12492 #
US-PATENT-APPL-SN-783867	c 36	N87-25567 *	US-PATENT-APPL-SN-797056	c 15	N71-25975 *	US-PATENT-APPL-SN-810576	c 25	N82-21269 *
US-PATENT-APPL-SN-783868	c 37	N87-25582 *	US-PATENT-APPL-SN-797057	c 15	N70-22192 #	US-PATENT-APPL-SN-810579	c 09	N72-22203 *
US-PATENT-APPL-SN-783890	c 74	N87-17493 *	US-PATENT-APPL-SN-797058	c 05	N71-24738 *	US-PATENT-APPL-SN-810579	c 33	N74-22864 *
US-PATENT-APPL-SN-783890	c 74	N87-25843 *	US-PATENT-APPL-SN-797059	c 15	N71-28465 *	US-PATENT-APPL-SN-810815	c 06	N72-22107 *
US-PATENT-APPL-SN-784055	c 15	N72-11390 *	US-PATENT-APPL-SN-797210	c 28	N78-31255 *	US-PATENT-APPL-SN-81095	c 13	N72-25323 *
US-PATENT-APPL-SN-784521	c 14	N71-15620 *	US-PATENT-APPL-SN-797219	c 03	N71-33409 *	US-PATENT-APPL-SN-81096	c 14	N73-14427 *
US-PATENT-APPL-SN-784544	c 15	N72-12408 *	US-PATENT-APPL-SN-797507	c 39	N93-26102 *	US-PATENT-APPL-SN-811037	c 14	N71-26137 *
US-PATENT-APPL-SN-785078	c 03	N72-27053 *	US-PATENT-APPL-SN-797569	c 74	N92-33022 *	US-PATENT-APPL-SN-811038	c 14	N72-20380 *
US-PATENT-APPL-SN-785257	c 44	N79-14526 *	US-PATENT-APPL-SN-797794	c 07	N71-12396 *	US-PATENT-APPL-SN-811309	c 76	N90-20896 *
US-PATENT-APPL-SN-785279	c 27	N81-14077 *	US-PATENT-APPL-SN-797795	c 07	N71-27191 *	US-PATENT-APPL-SN-811401	c 31	N81-25258 *
US-PATENT-APPL-SN-785546	c 10	N71-25882 *	US-PATENT-APPL-SN-797796	c 28	N71-14058 *	US-PATENT-APPL-SN-811509	c 02	N70-33332 *
US-PATENT-APPL-SN-785595	c 10	N71-24861 *	US-PATENT-APPL-SN-798277	c 23	N71-26654 *	US-PATENT-APPL-SN-811542	c 21	N71-24948 *
US-PATENT-APPL-SN-785611	c 15	N71-24600 *	US-PATENT-APPL-SN-798464	c 24	N94-20539 *	US-PATENT-APPL-SN-811815	c 44	N78-31525 *
US-PATENT-APPL-SN-785613	c 05	N72-25119 *	US-PATENT-APPL-SN-798713	c 28	N91-14495 *	US-PATENT-APPL-SN-811892	c 14	N71-27090 *
US-PATENT-APPL-SN-785615	c 05	N72-20098 *	US-PATENT-APPL-SN-798976	c 52	N81-25661 *	US-PATENT-APPL-SN-812084	c 24	N92-17870 #
US-PATENT-APPL-SN-785620	c 21	N71-27324 *	US-PATENT-APPL-SN-799013	c 08	N71-28468 *	US-PATENT-APPL-SN-812447	c 71	N79-20827 *
US-PATENT-APPL-SN-785637	c 37	N93-14871 *	US-PATENT-APPL-SN-799023	c 37	N79-10421 *	US-PATENT-APPL-SN-812901	c 74	N93-18276 *
US-PATENT-APPL-SN-785710	c 05	N71-24730 *	US-PATENT-APPL-SN-799024	c 24	N78-17149 *	US-PATENT-APPL-SN-812932	c 37	N92-33616 *
US-PATENT-APPL-SN-785780	c 18	N71-28729 *	US-PATENT-APPL-SN-799025	c 32	N80-29539 *	US-PATENT-APPL-SN-812998	c 28	N72-22769 *
US-PATENT-APPL-SN-786322	c 32	N79-20296 *	US-PATENT-APPL-SN-799026	c 44	N79-11468 *	US-PATENT-APPL-SN-812999	c 05	N71-12345 *
US-PATENT-APPL-SN-786499	c 63	N92-17895 #	US-PATENT-APPL-SN-799033	c 09	N71-27232 *	US-PATENT-APPL-SN-813338	c 18	N72-22566 *
US-PATENT-APPL-SN-786612	c 29	N92-30083 #	US-PATENT-APPL-SN-799460	c 37	N92-23544 #	US-PATENT-APPL-SN-813488	c 15	N71-28467 *
US-PATENT-APPL-SN-786612	c 29	N93-24600 *	US-PATENT-APPL-SN-799460	c 37	N93-20117 *	US-PATENT-APPL-SN-813494	c 08	N72-11171 *
US-PATENT-APPL-SN-786618	c 74	N94-20345 *	US-PATENT-APPL-SN-799571	c 82	N92-30386 #	US-PATENT-APPL-SN-813556	c 63	N94-20366 *
US-PATENT-APPL-SN-78667	c 14	N72-17324 *	US-PATENT-APPL-SN-799832	c 33	N79-15245 *	US-PATENT-APPL-SN-813558	c 37	N92-28727 *
US-PATENT-APPL-SN-7868	c 10	N72-17173 *	US-PATENT-APPL-SN-799857	c 61	N93-14882 *	US-PATENT-APPL-SN-813628	c 37	N93-29618 *
US-PATENT-APPL-SN-786913	c 27	N79-12221 *	US-PATENT-APPL-SN-800193	c 37	N87-17038 *	US-PATENT-APPL-SN-813629	c 54	N94-20493 *
US-PATENT-APPL-SN-78703	c 15	N73-20514 *	US-PATENT-APPL-SN-800194	c 76	N88-14835 *	US-PATENT-APPL-SN-814004	c 33	N79-18193 *
US-PATENT-APPL-SN-78704	c 05	N72-25121 *	US-PATENT-APPL-SN-800204	c 06	N72-17094 *	US-PATENT-APPL-SN-814005	c 76	N79-14906 *
US-PATENT-APPL-SN-78717	c 05	N73-13114 *	US-PATENT-APPL-SN-800229	c 14	N73-32320 *	US-PATENT-APPL-SN-814006	c 37	N79-22475 *
US-PATENT-APPL-SN-787393	c 23	N71-26206 *	US-PATENT-APPL-SN-800229	c 74	N74-20008 *	US-PATENT-APPL-SN-814212	c 14	N72-17326 *
US-PATENT-APPL-SN-787410	c 15	N71-19213 *	US-PATENT-APPL-SN-800973	c 16	N71-24832 *	US-PATENT-APPL-SN-814378	c 25	N79-10162 *
US-PATENT-APPL-SN-78766	c 05	N74-10907 *	US-PATENT-APPL-SN-801141	c 39	N93-20118 *	US-PATENT-APPL-SN-815099	c 60	N86-24224 #
US-PATENT-APPL-SN-787846	c 23	N71-33229 *	US-PATENT-APPL-SN-801290	c 37	N79-18318 *	US-PATENT-APPL-SN-815103	c 60	N89-26400 *
US-PATENT-APPL-SN-787906	c 03	N71-26084 *	US-PATENT-APPL-SN-801290	c 37	N80-26658 *	US-PATENT-APPL-SN-815106	c 60	N88-24169 *
US-PATENT-APPL-SN-787911	c 03	N71-28579 *	US-PATENT-APPL-SN-801290	c 37	N82-19540 *	US-PATENT-APPL-SN-815366	c 14	N71-28994 *
US-PATENT-APPL-SN-787993	c 44	N92-23463 #	US-PATENT-APPL-SN-801312	c 16	N71-15565 *	US-PATENT-APPL-SN-815367	c 14	N71-28863 *
US-PATENT-APPL-SN-788045	c 24	N79-25142 *	US-PATENT-APPL-SN-801336	c 02	N71-13422 *	US-PATENT-APPL-SN-815760	c 15	N71-27068 *
US-PATENT-APPL-SN-788403	c 27	N94-23076 *	US-PATENT-APPL-SN-801432	c 33	N78-32341 *	US-PATENT-APPL-SN-816733	c 15	N71-27084 *
US-PATENT-APPL-SN-788705	c 35	N78-24515 *	US-PATENT-APPL-SN-801452	c 44	N79-11471 *	US-PATENT-APPL-SN-816988	c 14	N71-26199 *
US-PATENT-APPL-SN-788908	c 08	N93-25998 #	US-PATENT-APPL-SN-801660	c 14	N71-26672 *	US-PATENT-APPL-SN-817413	c 33	N79-12321 *
US-PATENT-APPL-SN-789043	c 10	N71-26531 *	US-PATENT-APPL-SN-801667	c 27	N93-19388 *	US-PATENT-APPL-SN-817415	c 74	N79-20857 *
US-PATENT-APPL-SN-789044	c 14	N72-20381 *	US-PATENT-APPL-SN-801868	c 27	N93-19327 *	US-PATENT-APPL-SN-817481	c 09	N72-11225 *
US-PATENT-APPL-SN-789045	c 15	N72-22489 *	US-PATENT-APPL-SN-802078	c 32	N93-29087 *	US-PATENT-APPL-SN-817482	c 10	N71-27338 *
US-PATENT-APPL-SN-789266	c 71	N88-24241 *	US-PATENT-APPL-SN-802769	c 76	N86-25269 #	US-PATENT-APPL-SN-817569	c 06	N69-31244 #
US-PATENT-APPL-SN-789278	c 15	N71-24694 *	US-PATENT-APPL-SN-802812	c 10	N72-22235 *	US-PATENT-APPL-SN-818349	c 21	N71-19212 *
US-PATENT-APPL-SN-789567	c 63	N94-20360 *	US-PATENT-APPL-SN-802813	c 15	N72-22487 *	US-PATENT-APPL-SN-818916	c 05	N79-17847 *
US-PATENT-APPL-SN-789903	c 07	N71-28429 *	US-PATENT-APPL-SN-802816	c 31	N71-16346 *	US-PATENT-APPL-SN-818917	c 32	N79-13214 *
US-PATENT-APPL-SN-790420	c 09	N71-24595 *	US-PATENT-APPL-SN-802818	c 07	N71-29065 *	US-PATENT-APPL-SN-819029	c 20	N82-18314 *
US-PATENT-APPL-SN-790556	c 08	N87-20999 *	US-PATENT-APPL-SN-802820	c 10	N71-13545 *	US-PATENT-APPL-SN-819599	c 15	N71-19214 *
US-PATENT-APPL-SN-790594	c 36	N87-23961 *	US-PATENT-APPL-SN-802948	c 31	N71-33160 *	US-PATENT-APPL-SN-819898	c 30	N72-17873 *
US-PATENT-APPL-SN-790596	c 35	N88-24927 *	US-PATENT-APPL-SN-802972	c 09	N71-26678 *	US-PATENT-APPL-SN-8203	c 15	N70-33180 *
US-PATENT-APPL-SN-790597	c 37	N88-14359 *	US-PATENT-APPL-SN-803268	c 74	N93-14711 *	US-PATENT-APPL-SN-820431	c 34	N92-29954 #
US-PATENT-APPL-SN-790637	c 44	N78-25529 *	US-PATENT-APPL-SN-803668	c 09	N73-20231 *	US-PATENT-APPL-SN-820432	c 34	N92-29830 #
US-PATENT-APPL-SN-790723	c 32	N94-20368 *	US-PATENT-APPL-SN-803669	c 09	N72-22198 *	US-PATENT-APPL-SN-820453	c 03	N72-24037 *
US-PATENT-APPL-SN-790730	c 27	N92-29953 #	US-PATENT-APPL-SN-803822	c 26	N79-22271 *	US-PATENT-APPL-SN-820498	c 89	N79-10969 *
US-PATENT-APPL-SN-790730	c 27	N94-23305 *	US-PATENT-APPL-SN-803822	c 26	N80-32484 *	US-PATENT-APPL-SN-820499	c 76	N79-23798 *
US-PATENT-APPL-SN-790731	c 32	N92-31150 #	US-PATENT-APPL-SN-803823	c 44	N79-11467 *	US-PATENT-APPL-SN-8204	c 31	N70-37981 *
US-PATENT-APPL-SN-791267	c 23	N72-17747 *	US-PATENT-APPL-SN-803828	c 51	N92-24052 #	US-PATENT-APPL-SN-820963	c 07	N71-19854 *
US-PATENT-APPL-SN-791268	c 33	N72-17947 *	US-PATENT-APPL-SN-804035	c 35	N79-14348 *	US-PATENT-APPL-SN-820964	c 15	N71-28740 *
US-PATENT-APPL-SN-791288	c 28	N71-25213 *	US-PATENT-APPL-SN-804039	c 31	N87-25491 *	US-PATENT-APPL-SN-820965	c 09	N71-13486

US-PATENT-APPL-SN-822088	c 15	N71-27135 *	US-PATENT-APPL-SN-837377	c 15	N71-26148 *	US-PATENT-APPL-SN-848794	c 44	N79-24431 *
US-PATENT-APPL-SN-822089	c 23	N72-23695 *	US-PATENT-APPL-SN-837378	c 15	N71-24865 *	US-PATENT-APPL-SN-848805	c 06	N72-17095 *
US-PATENT-APPL-SN-822090	c 16	N71-27183 *	US-PATENT-APPL-SN-837513	c 44	N81-29525 *	US-PATENT-APPL-SN-848810	c 07	N72-11148 *
US-PATENT-APPL-SN-822240	c 23	N92-17882 *	US-PATENT-APPL-SN-837513	c 44	N82-28780 *	US-PATENT-APPL-SN-848811	c 10	N71-26142 *
US-PATENT-APPL-SN-822457	c 37	N94-20587 *	US-PATENT-APPL-SN-837794	c 28	N80-20402 *	US-PATENT-APPL-SN-848885	c 74	N94-20591 *
US-PATENT-APPL-SN-822518	c 09	N71-13522 *	US-PATENT-APPL-SN-837794	c 28	N81-14103 *	US-PATENT-APPL-SN-849106	c 09	N72-22197 *
US-PATENT-APPL-SN-822519	c 14	N71-28992 *	US-PATENT-APPL-SN-837795	c 36	N80-14384 *	US-PATENT-APPL-SN-849274	c 28	N79-14228 *
US-PATENT-APPL-SN-822534	c 09	N72-11224 *	US-PATENT-APPL-SN-837796	c 35	N79-14345 *	US-PATENT-APPL-SN-849612	c 39	N93-29613 *
US-PATENT-APPL-SN-822729	c 03	N76-32140 *	US-PATENT-APPL-SN-837825	c 15	N71-27006 *	US-PATENT-APPL-SN-849612	c 39	N94-23308 *
US-PATENT-APPL-SN-82280	c 09	N72-25262 *	US-PATENT-APPL-SN-837830	c 02	N71-27088 *	US-PATENT-APPL-SN-84961	c 02	N70-34178 *
US-PATENT-APPL-SN-823061	c 44	N79-23481 *	US-PATENT-APPL-SN-83816	c 44	N74-14784 *	US-PATENT-APPL-SN-849629	c 37	N92-23553 *
US-PATENT-APPL-SN-823566	c 74	N79-14891 *	US-PATENT-APPL-SN-838278	c 60	N74-20836 *	US-PATENT-APPL-SN-84962	c 21	N70-36943 *
US-PATENT-APPL-SN-823712	c 44	N88-14492 *	US-PATENT-APPL-SN-838308	c 52	N80-27072 *	US-PATENT-APPL-SN-8497	c 14	N72-11363 *
US-PATENT-APPL-SN-823713	c 26	N88-14179 *	US-PATENT-APPL-SN-838336	c 44	N79-11470 *	US-PATENT-APPL-SN-8498	c 05	N71-24729 *
US-PATENT-APPL-SN-823805	c 34	N93-26000 *	US-PATENT-APPL-SN-838337	c 31	N79-17029 *	US-PATENT-APPL-SN-850504	c 52	N81-14613 *
US-PATENT-APPL-SN-823809	c 02	N93-11876 *	US-PATENT-APPL-SN-838630	c 14	N71-28993 *	US-PATENT-APPL-SN-850504	c 52	N81-29764 *
US-PATENT-APPL-SN-824024	c 44	N79-18443 *	US-PATENT-APPL-SN-838648	c 33	N87-23879 *	US-PATENT-APPL-SN-850507	c 25	N79-14169 *
US-PATENT-APPL-SN-824042	c 23	N71-29123 *	US-PATENT-APPL-SN-838649	c 34	N91-14562 *	US-PATENT-APPL-SN-850586	c 31	N71-25434 *
US-PATENT-APPL-SN-824126	c 37	N93-14712 *	US-PATENT-APPL-SN-838654	c 27	N90-21198 *	US-PATENT-APPL-SN-850587	c 08	N72-21199 *
US-PATENT-APPL-SN-824628	c 34	N78-17337 *	US-PATENT-APPL-SN-838655	c 27	N87-22848 *	US-PATENT-APPL-SN-851298	c 15	N72-12409 *
US-PATENT-APPL-SN-824755	c 09	N70-33182 *	US-PATENT-APPL-SN-839934	c 07	N72-20140 *	US-PATENT-APPL-SN-851394	c 09	N71-24892 *
US-PATENT-APPL-SN-824806	c 37	N92-24051 *	US-PATENT-APPL-SN-839935	c 15	N71-24895 *	US-PATENT-APPL-SN-852131	c 15	N71-24836 *
US-PATENT-APPL-SN-824858	c 27	N92-24053 *	US-PATENT-APPL-SN-839941	c 07	N71-26181 *	US-PATENT-APPL-SN-852461	c 27	N89-16042 *
US-PATENT-APPL-SN-825253	c 16	N69-31343 *	US-PATENT-APPL-SN-839963	c 27	N79-33316 *	US-PATENT-APPL-SN-852466	c 37	N87-24689 *
US-PATENT-APPL-SN-825258	c 26	N72-21701 *	US-PATENT-APPL-SN-839963	c 27	N81-14078 *	US-PATENT-APPL-SN-852467	c 27	N87-24564 *
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US-PATENT-CLASS-128-275	c 52	N81-29763 *	US-PATENT-CLASS-13-31	c 11	N72-23215 *	US-PATENT-CLASS-136-256	c 44	N85-20530 *
US-PATENT-CLASS-128-276	c 52	N80-14684 *	US-PATENT-CLASS-13-31	c 31	N74-27900 *	US-PATENT-CLASS-136-256	c 44	N85-30475 *
US-PATENT-CLASS-128-276	c 52	N80-18690 *	US-PATENT-CLASS-13-35	c 33	N71-24145 *	US-PATENT-CLASS-136-256	c 44	N91-27614 *
US-PATENT-CLASS-128-280	c 24	N82-29362 *	US-PATENT-CLASS-134-137	c 37	N82-12441 *	US-PATENT-CLASS-136-258	c 44	N81-19558 *
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US-PATENT-CLASS-128-283	c 24	N82-29362 *	US-PATENT-CLASS-134-17	c 43	N81-26509 *	US-PATENT-CLASS-136-259	c 44	N83-13579 *
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US-PATENT-CLASS-128-328	c 52	N84-34913 *	US-PATENT-CLASS-136-148	c 24	N76-14204 *	US-PATENT-CLASS-136-6	c 44	N82-24641 *
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US-PATENT-CLASS-128-639	c 52	N79-27836 *	US-PATENT-CLASS-136-204	c 31	N91-27385 *	US-PATENT-CLASS-136-89CC	c 44	N79-17314 *
US-PATENT-CLASS-128-642	c 52	N80-27072 *	US-PATENT-CLASS-136-205	c 44	N92-16457 *	US-PATENT-CLASS-136-89CC	c 44	N79-25482 *
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US-PATENT-CLASS-204-275	c 25	N82-12166 *	US-PATENT-CLASS-209-300	c 37	N76-18456 *	US-PATENT-CLASS-210-748	c 35	N84-17555 *
US-PATENT-CLASS-204-276	c 25	N82-12166 *	US-PATENT-CLASS-209-305	c 37	N76-18456 *	US-PATENT-CLASS-210-748	c 54	N91-31803 *
US-PATENT-CLASS-204-278	c 25	N82-12166 *	US-PATENT-CLASS-209-349	c 15	N72-22483 *	US-PATENT-CLASS-210-748	c 25	N92-33029 *
US-PATENT-CLASS-204-278	c 25	N84-12262 *	US-PATENT-CLASS-209-422	c 71	N85-30765 *	US-PATENT-CLASS-210-748	c 25	N92-33611 *
US-PATENT-CLASS-204-278	c 44	N84-23019 *	US-PATENT-CLASS-209-638	c 71	N85-30765 *	US-PATENT-CLASS-210-748	c 25	N93-20570 *
US-PATENT-CLASS-204-279	c 33	N75-27252 *	US-PATENT-CLASS-210-207	c 17	N71-16393 *	US-PATENT-CLASS-210-753	c 51	N93-18351 *
US-PATENT-CLASS-204-280R	c 25	N83-13187 *	US-PATENT-CLASS-210-DIG.23	c 52	N79-14749 *	US-PATENT-CLASS-210-758	c 25	N92-33029 *
US-PATENT-CLASS-204-280	c 44	N84-23019 *	US-PATENT-CLASS-210-DIG.27	c 27	N77-31308 *	US-PATENT-CLASS-210-764	c 51	N93-18351 *
US-PATENT-CLASS-204-286	c 33	N75-27252 *	US-PATENT-CLASS-210-103	c 05	N72-27102 *	US-PATENT-CLASS-210-767	c 25	N92-33611 *
US-PATENT-CLASS-204-290F	c 28	N81-24280 *	US-PATENT-CLASS-210-104	c 05	N72-27102 *	US-PATENT-CLASS-210-767	c 25	N93-20570 *
US-PATENT-CLASS-204-290F	c 44	N82-29710 *	US-PATENT-CLASS-210-108	c 34	N79-24285 *	US-PATENT-CLASS-210-787	c 34	N94-20361 *
US-PATENT-CLASS-204-290R	c 33	N75-27252 *	US-PATENT-CLASS-210-110	c 05	N72-27102 *	US-PATENT-CLASS-210-806	c 25	N93-20570 *
US-PATENT-CLASS-204-290R	c 28	N81-24280 *	US-PATENT-CLASS-210-137	c 05	N72-27102 *	US-PATENT-CLASS-210-82	c 34	N75-33342 *
US-PATENT-CLASS-204-290R	c 44	N82-29710 *	US-PATENT-CLASS-210-140	c 51	N93-18351 *	US-PATENT-CLASS-210-94	c 29	N90-21209 *
US-PATENT-CLASS-204-290R	c 25	N84-12262 *	US-PATENT-CLASS-210-142	c 34	N79-24285 *	US-PATENT-CLASS-210-95	c 29	N90-21209 *
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US-PATENT-CLASS-204-291	c 28	N81-24280 *	US-PATENT-CLASS-210-186	c 37	N80-10494 *	US-PATENT-CLASS-210-96M	c 54	N78-14784 *
US-PATENT-CLASS-204-292	c 25	N78-10225 *	US-PATENT-CLASS-210-188	c 12	N72-25292 *	US-PATENT-CLASS-210-96M	c 51	N79-10693 *
US-PATENT-CLASS-204-298	c 15	N70-34967 *	US-PATENT-CLASS-210-190	c 51	N93-18351 *	US-PATENT-CLASS-210-97	c 35	N90-22024 *
US-PATENT-CLASS-204-298	c 09	N71-26701 *	US-PATENT-CLASS-210-192	c 54	N78-14784 *	US-PATENT-CLASS-211-126	c 35	N86-20751 *
US-PATENT-CLASS-204-298	c 15	N72-32487 *	US-PATENT-CLASS-210-198.2	c 25	N92-33009 *	US-PATENT-CLASS-211-74	c 35	N86-20751 *
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US-PATENT-CLASS-204-298	c 27	N86-32569 *	US-PATENT-CLASS-210-209	c 25	N92-33029 *	US-PATENT-CLASS-212-134	c 15	N72-11388 *
US-PATENT-CLASS-204-298	c 31	N86-32587 *	US-PATENT-CLASS-210-212	c 03	N72-20033 *	US-PATENT-CLASS-212-148	c 37	N94-20369 *
US-PATENT-CLASS-204-298	c 31	N87-21160 *	US-PATENT-CLASS-210-222	c 35	N78-12390 *	US-PATENT-CLASS-212-196	c 37	N94-20369 *
US-PATENT-CLASS-204-299-R	c 25	N88-23845 *	US-PATENT-CLASS-210-222	c 25	N92-33611 *	US-PATENT-CLASS-212-225	c 18	N89-12621 *
US-PATENT-CLASS-204-299R	c 25	N78-14104 *	US-PATENT-CLASS-210-223	c 25	N92-33611 *	US-PATENT-CLASS-212-230	c 37	N86-20789 *
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US-PATENT-CLASS-204-299R	c 27	N92-25397 *	US-PATENT-CLASS-210-247	c 29	N90-21209 *	US-PATENT-CLASS-214-1BC	c 54	N77-32721 *
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US-PATENT-CLASS-214-1CM

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US-PATENT-CLASS-244-171	c 15	N77-10113 *	US-PATENT-CLASS-244-204	c 02	N87-16793 *	US-PATENT-CLASS-244-55	c 05	N75-25914 *
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US-PATENT-CLASS-244-172	c 18	N92-33013 *	US-PATENT-CLASS-244-212	c 05	N92-21587 *	US-PATENT-CLASS-244-58	c 05	N91-14345 *
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US-PATENT-CLASS-244-175	c 04	N82-23231 *	US-PATENT-CLASS-244-217	c 37	N82-16408 *	US-PATENT-CLASS-244-75-R	c 08	N85-35200 *
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US-PATENT-CLASS-244-181	c 08	N81-26152 *	US-PATENT-CLASS-244-219	c 08	N79-14108 *	US-PATENT-CLASS-244-75A	c 02	N73-26004 *
US-PATENT-CLASS-244-181	c 06	N86-27280 *	US-PATENT-CLASS-244-218	c 05	N84-22551 *	US-PATENT-CLASS-244-75R	c 05	N75-12930 *
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US-PATENT-CLASS-260-77.5AT	c 27	N78-17213 *	US-PATENT-CLASS-264-184	c 37	N91-27562 *	US-PATENT-CLASS-264-53	c 25	N82-21268 *
US-PATENT-CLASS-260-77.55P	c 27	N78-17213 *	US-PATENT-CLASS-264-1	c 44	N79-24432 *	US-PATENT-CLASS-264-58	c 24	N93-26100 *
US-PATENT-CLASS-260-77.5	c 06	N73-30099 *	US-PATENT-CLASS-264-204	c 27	N86-29039 *	US-PATENT-CLASS-264-59	c 24	N84-16262 *
US-PATENT-CLASS-260-77.5	c 06	N73-30100 *	US-PATENT-CLASS-264-211.15	c 37	N91-27562 *	US-PATENT-CLASS-264-5	c 31	N81-33319 *
US-PATENT-CLASS-260-77.5	c 06	N73-30103 *	US-PATENT-CLASS-264-211.16	c 37	N91-27562 *	US-PATENT-CLASS-264-5	c 27	N82-28442 *
US-PATENT-CLASS-260-78.41	c 27	N78-31232 *	US-PATENT-CLASS-264-211.17	c 37	N91-27562 *	US-PATENT-CLASS-264-5	c 31	N83-31896 *
US-PATENT-CLASS-260-78TF	c 06	N73-27980 *	US-PATENT-CLASS-264-211	c 27	N78-32262 *	US-PATENT-CLASS-264-5	c 31	N83-35176 *
US-PATENT-CLASS-260-78TF	c 27	N74-23125 *	US-PATENT-CLASS-264-212	c 27	N80-32516 *	US-PATENT-CLASS-264-5	c 26	N86-32551 *
US-PATENT-CLASS-260-78TF	c 23	N75-30256 *	US-PATENT-CLASS-264-212	c 27	N86-31727 *	US-PATENT-CLASS-264-5	c 31	N91-32240 *
US-PATENT-CLASS-260-78TF	c 23	N76-15268 *	US-PATENT-CLASS-264-216	c 25	N82-21268 *	US-PATENT-CLASS-264-60	c 27	N76-22376 *
US-PATENT-CLASS-260-78TF	c 27	N78-32261 *	US-PATENT-CLASS-264-216	c 27	N86-29039 *	US-PATENT-CLASS-264-60	c 27	N79-14213 *
US-PATENT-CLASS-260-78UA	c 06	N73-27980 *	US-PATENT-CLASS-264-217	c 25	N75-12087 *	US-PATENT-CLASS-264-60	c 24	N84-16262 *
US-PATENT-CLASS-260-78	c 06	N71-11235 *	US-PATENT-CLASS-264-219	c 37	N76-31524 *	US-PATENT-CLASS-264-60	c 27	N87-28656 *
US-PATENT-CLASS-260-78	c 06	N71-11238 *	US-PATENT-CLASS-264-220	c 27	N82-28440 *	US-PATENT-CLASS-264-63	c 27	N76-22376 *
US-PATENT-CLASS-260-830S	c 15	N79-26100 *	US-PATENT-CLASS-264-221	c 15	N72-16329 *	US-PATENT-CLASS-264-63	c 27	N87-28656 *
US-PATENT-CLASS-260-85.5	c 06	N71-23500 *	US-PATENT-CLASS-264-221	c 27	N94-20377 *	US-PATENT-CLASS-264-63	c 27	N92-16122 *
US-PATENT-CLASS-260-858	c 27	N81-14076 *	US-PATENT-CLASS-264-225	c 15	N72-16329 *	US-PATENT-CLASS-264-65	c 18	N73-14584 *
US-PATENT-CLASS-260-877	c 06	N72-22107 *	US-PATENT-CLASS-264-227	c 15	N72-16329 *	US-PATENT-CLASS-264-66	c 27	N76-22376 *
US-PATENT-CLASS-260-879	c 27	N76-16228 *	US-PATENT-CLASS-264-229	c 24	N81-29163 *	US-PATENT-CLASS-264-6	c 27	N90-23566 *
US-PATENT-CLASS-260-886	c 27	N81-14076 *	US-PATENT-CLASS-264-22	c 15	N72-20446 *	US-PATENT-CLASS-264-70	c 44	N79-24432 *
US-PATENT-CLASS-260-8900	c 27	N81-14076 *	US-PATENT-CLASS-264-22	c 14	N72-22439 *	US-PATENT-CLASS-264-71	c 44	N79-24432 *
US-PATENT-CLASS-260-895	c 27	N81-14076 *	US-PATENT-CLASS-264-22	c 25	N75-12087 *	US-PATENT-CLASS-264-86	c 27	N94-20377 *
US-PATENT-CLASS-260-898	c 27	N81-14076 *	US-PATENT-CLASS-264-22	c 27	N80-32516 *	US-PATENT-CLASS-264-90	c 24	N78-17150 *
US-PATENT-CLASS-260-900	c 27	N76-16228 *	US-PATENT-CLASS-264-22	c 27	N82-28440 *	US-PATENT-CLASS-264-92	c 15	N71-17803 *
US-PATENT-CLASS-260-901	c 27	N81-14076 *	US-PATENT-CLASS-264-230	c 37	N82-24491 *	US-PATENT-CLASS-264-92	c 15	N72-24522 *
US-PATENT-CLASS-260-92.1	c 06	N72-25150 *	US-PATENT-CLASS-264-231	c 24	N81-29163 *	US-PATENT-CLASS-264-9	c 31	N81-33319 *
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US-PATENT-CLASS-260-92.1	c 27	N76-16228 *	US-PATENT-CLASS-264-236	c 27	N78-32262 *	US-PATENT-CLASS-266-119	c 26	N80-28492 *
US-PATENT-CLASS-260-92.1	c 27	N76-24405 *	US-PATENT-CLASS-264-236	c 15	N79-26100 *	US-PATENT-CLASS-266-19	c 15	N70-33382 *
US-PATENT-CLASS-260-926	c 27	N80-10358 *	US-PATENT-CLASS-264-236	c 27	N86-29039 *	US-PATENT-CLASS-266-249	c 26	N80-28492 *
US-PATENT-CLASS-260-927-N	c 23	N86-19376 *	US-PATENT-CLASS-264-236	c 27	N86-31727 *	US-PATENT-CLASS-266-24	c 17	N72-28535 *
US-PATENT-CLASS-260-93.5A	c 06	N73-32029 *	US-PATENT-CLASS-264-236	c 27	N89-29539 *	US-PATENT-CLASS-266-274	c 26	N80-28492 *
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US-PATENT-CLASS-260-94.2M	c 06	N73-32029 *	US-PATENT-CLASS-264-23	c 71	N78-10837 *	US-PATENT-CLASS-267-150	c 37	N85-34401 *
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US-PATENT-CLASS-260-94.7R	c 06	N73-32029 *	US-PATENT-CLASS-264-24	c 31	N81-33319 *	US-PATENT-CLASS-267-166	c 34	N74-18552 *
US-PATENT-CLASS-260-94.8	c 27	N73-22710 *	US-PATENT-CLASS-264-24	c 31	N83-35176 *	US-PATENT-CLASS-267-1	c 15	N69-27504 *
US-PATENT-CLASS-260-959	c 27	N78-32256 *	US-PATENT-CLASS-264-257	c 37	N74-18126 *	US-PATENT-CLASS-267-1	c 15	N70-38225 *
US-PATENT-CLASS-260-96D	c 28	N81-15119 *	US-PATENT-CLASS-264-257	c 27	N89-29539 *	US-PATENT-CLASS-267-64	c 15	N71-21530 *
US-PATENT-CLASS-261-DIG.75	c 34	N77-24423 *	US-PATENT-CLASS-264-257	c 24	N91-25199 *	US-PATENT-CLASS-267-8R	c 37	N85-34401 *
US-PATENT-CLASS-261-118	c 31	N80-18231 *	US-PATENT-CLASS-264-257	c 24	N91-25200 *	US-PATENT-CLASS-267-147	c 35	N88-24927 *
US-PATENT-CLASS-261-123	c 34	N77-24423 *	US-PATENT-CLASS-264-258	c 24	N81-29163 *	US-PATENT-CLASS-269-152	c 18	N83-29303 *
US-PATENT-CLASS-261-145	c 28	N72-22772 *	US-PATENT-CLASS-264-258	c 27	N83-34041 *	US-PATENT-CLASS-269-153	c 44	N79-19447 *
US-PATENT-CLASS-261-28	c 07	N81-29129 *	US-PATENT-CLASS-264-258	c 27	N85-20124 *	US-PATENT-CLASS-269-156	c 37	N80-14398 *
US-PATENT-CLASS-261-78A	c 35	N86-29174 *	US-PATENT-CLASS-264-259	c 24	N81-29163 *	US-PATENT-CLASS-269-21	c 37	N76-21554 *
US-PATENT-CLASS-261-79A	c 54	N81-24724 *	US-PATENT-CLASS-264-259	c 27	N93-25995 *	US-PATENT-CLASS-269-21	c 37	N78-17383 *
US-PATENT-CLASS-261-83	c 51	N91-30667 *	US-PATENT-CLASS-264-261	c 24	N91-25199 *	US-PATENT-CLASS-269-21	c 37	N78-27423 *
US-PATENT-CLASS-263-48	c 15	N69-27483 *	US-PATENT-CLASS-264-265	c 27	N93-25995 *	US-PATENT-CLASS-269-21	c 76	N80-18951 *
US-PATENT-CLASS-264-DIG.19	c 27	N94-23311 *	US-PATENT-CLASS-264-267	c 37	N76-24575 *	US-PATENT-CLASS-269-21	c 37	N81-33482 *
US-PATENT-CLASS-264-DIG.36	c 18	N73-14584 *	US-PATENT-CLASS-264-27	c 15	N71-17818 *	US-PATENT-CLASS-269-21	c 37	N91-21545 *
US-PATENT-CLASS-264-DIG.44	c 15	N72-16329 *	US-PATENT-CLASS-264-28	c 26	N73-12489 *	US-PATENT-CLASS-269-224	c 37	N84-28083 *
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US-PATENT-CLASS-264-DIG.65	c 27	N85-20124 *	US-PATENT-CLASS-264-291	c 74	N87-28416 *	US-PATENT-CLASS-269-242	c 37	N84-28083 *
US-PATENT-CLASS-264-DIG.65	c 27	N93-25995 *	US-PATENT-CLASS-264-294	c 31	N74-13177 *	US-PATENT-CLASS-269-244	c 18	N83-29303 *
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US-PATENT-CLASS-269-267

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US-PATENT-CLASS-325-60	c 32	N75-24981 *	US-PATENT-CLASS-328-207	c 10	N72-20221 *	US-PATENT-CLASS-33-169F	c 35	N84-28018 *
US-PATENT-CLASS-325-61	c 07	N73-25160 *	US-PATENT-CLASS-328-20	c 10	N72-20223 *	US-PATENT-CLASS-33-174B	c 37	N76-21554 *
US-PATENT-CLASS-325-62	c 08	N72-25208 *	US-PATENT-CLASS-328-230	c 35	N84-12444 *	US-PATENT-CLASS-33-174D	c 33	N76-19338 *
US-PATENT-CLASS-325-62	c 44	N74-19870 *	US-PATENT-CLASS-328-233	c 10	N71-22962 *	US-PATENT-CLASS-33-174L	c 43	N79-26439 *
US-PATENT-CLASS-325-63	c 10	N71-19467 *	US-PATENT-CLASS-328-233	c 75	N75-13625 *	US-PATENT-CLASS-33-174S	c 14	N72-22445 *
US-PATENT-CLASS-325-63	c 07	N73-20174 *	US-PATENT-CLASS-328-233	c 37	N78-17386 *	US-PATENT-CLASS-33-174	c 14	N69-21363 *
US-PATENT-CLASS-325-63	c 32	N78-15523 *	US-PATENT-CLASS-328-24	c 09	N72-33204 *	US-PATENT-CLASS-33-174	c 14	N71-17658 *
US-PATENT-CLASS-325-63	c 32	N79-20296 *	US-PATENT-CLASS-328-28	c 33	N87-21235 *	US-PATENT-CLASS-33-174	c 14	N71-24693 *
US-PATENT-CLASS-325-64	c 07	N72-25173 *	US-PATENT-CLASS-328-37	c 08	N71-12503 *	US-PATENT-CLASS-33-180R	c 35	N75-12273 *
US-PATENT-CLASS-325-65	c 07	N70-41331 *	US-PATENT-CLASS-328-37	c 10	N73-20254 *	US-PATENT-CLASS-33-189	c 15	N71-26145 *
US-PATENT-CLASS-325-65	c 07	N70-41372 *	US-PATENT-CLASS-328-37	c 33	N76-14373 *	US-PATENT-CLASS-33-19.2	c 35	N92-10186 *
US-PATENT-CLASS-325-65	c 07	N71-11284 *	US-PATENT-CLASS-328-37	c 33	N81-17349 *	US-PATENT-CLASS-33-1	c 14	N70-36907 *
US-PATENT-CLASS-325-65	c 32	N77-30308 *	US-PATENT-CLASS-328-38	c 10	N72-20223 *	US-PATENT-CLASS-33-204C	c 08	N72-11172 *
US-PATENT-CLASS-325-66	c 17	N78-17140 *	US-PATENT-CLASS-328-38	c 33	N77-24375 *	US-PATENT-CLASS-33-207	c 15	N71-15571 *
US-PATENT-CLASS-325-67	c 07	N71-26292 *	US-PATENT-CLASS-328-39	c 33	N77-24375 *	US-PATENT-CLASS-33-23.02	c 35	N92-10186 *
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US-PATENT-CLASS-325-67	c 35	N75-21582 *	US-PATENT-CLASS-328-41	c 33	N75-31330 *	US-PATENT-CLASS-33-261	c 35	N91-14591 *
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US-PATENT-CLASS-325-8	c 07	N73-20174 *	US-PATENT-CLASS-328-48	c 14	N73-30386 *	US-PATENT-CLASS-33-285	c 36	N74-21091 *
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US-PATENT-CLASS-325-9	c 07	N73-20174 *	US-PATENT-CLASS-328-48	c 60	N81-15706 *	US-PATENT-CLASS-33-293	c 35	N84-16523 *
US-PATENT-CLASS-325-9	c 32	N80-20448 *	US-PATENT-CLASS-328-49	c 10	N71-27137 *	US-PATENT-CLASS-33-31	c 14	N71-21079 *
US-PATENT-CLASS-328-104	c 08	N72-2162 *	US-PATENT-CLASS-328-55	c 33	N81-17349 *	US-PATENT-CLASS-33-322	c 06	N83-33882 *
US-PATENT-CLASS-328-104	c 10	N73-13235 *	US-PATENT-CLASS-328-58	c 08	N71-29138 *	US-PATENT-CLASS-33-348	c 04	N84-14132 *
US-PATENT-CLASS-328-106	c 09	N72-22201 *	US-PATENT-CLASS-328-58	c 33	N74-32711 *	US-PATENT-CLASS-33-356	c 04	N76-20114 *
US-PATENT-CLASS-328-110	c 09	N71-12519 *	US-PATENT-CLASS-328-58	c 33	N75-18479 *	US-PATENT-CLASS-33-356	c 04	N77-19056 *
US-PATENT-CLASS-328-111	c 60	N77-12721 *	US-PATENT-CLASS-328-59	c 33	N75-19515 *	US-PATENT-CLASS-33-356	c 04	N84-14132 *
US-PATENT-CLASS-328-115	c 33	N75-18479 *	US-PATENT-CLASS-328-61	c 09	N71-23525 *	US-PATENT-CLASS-33-361	c 04	N84-14132 *
US-PATENT-CLASS-328-116	c 09	N69-39885 *	US-PATENT-CLASS-328-61	c 10	N73-20254 *	US-PATENT-CLASS-33-366	c 35	N78-32395 *
US-PATENT-CLASS-328-120	c 09	N71-27016 *	US-PATENT-CLASS-328-61	c 35	N75-30504 *	US-PATENT-CLASS-33-46R	c 19	N74-21015 *
US-PATENT-CLASS-328-123	c 60	N74-12888 *	US-PATENT-CLASS-328-62	c 35	N75-30504 *	US-PATENT-CLASS-33-520	c 35	N92-22039 *
US-PATENT-CLASS-328-129	c 14	N73-30386 *	US-PATENT-CLASS-328-63	c 33	N76-14371 *	US-PATENT-CLASS-33-536	c 37	N89-28831 *
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US-PATENT-CLASS-328-133	c 33	N77-13315 *	US-PATENT-CLASS-328-67	c 33	N88-24862 *	US-PATENT-CLASS-33-75R	c 14	N72-28436 *
US-PATENT-CLASS-328-133	c 33	N79-11313 *	US-PATENT-CLASS-328-71	c 60	N81-15706 *	US-PATENT-CLASS-33-96	c 33	N75-30430 *
US-PATENT-CLASS-328-133	c 33	N84-16454 *	US-PATENT-CLASS-328-92	c 10	N71-28860 *	US-PATENT-CLASS-330-103	c 32	N74-22096 *
US-PATENT-CLASS-328-134	c 08	N71-18692 *	US-PATENT-CLASS-329-104	c 07	N71-11282 *	US-PATENT-CLASS-330-107	c 10	N72-11256 *
US-PATENT-CLASS-328-134	c 14	N73-30386 *	US-PATENT-CLASS-329-104	c 33	N74-12887 *	US-PATENT-CLASS-330-107	c 10	N72-11772 *
US-PATENT-CLASS-328-134	c 33	N76-16331 *	US-PATENT-CLASS-329-104	c 32	N77-24331 *	US-PATENT-CLASS-330-107	c 33	N84-14421 *
US-PATENT-CLASS-328-134	c 33	N81-17349 *	US-PATENT-CLASS-329-107	c 35	N81-19427 *	US-PATENT-CLASS-330-107	c 33	N87-22895 *
US-PATENT-CLASS-328-136	c 09	N72-25257 *	US-PATENT-CLASS-329-107	c 32	N87-21207 *	US-PATENT-CLASS-330-109	c 10	N72-11256 *
US-PATENT-CLASS-328-140	c 09	N72-25257 *	US-PATENT-CLASS-329-119	c 33	N77-21314 *	US-PATENT-CLASS-330-109	c 10	N72-17171 *
US-PATENT-CLASS-328-142	c 09	N72-21245 *	US-PATENT-CLASS-329-120	c 07	N73-30113 *	US-PATENT-CLASS-330-109	c 10	N72-17172 *
US-PATENT-CLASS-328-145	c 32	N76-14321 *	US-PATENT-CLASS-329-122	c 10	N71-19469 *	US-PATENT-CLASS-330-109	c 09	N73-20231 *
US-PATENT-CLASS-328-145	c 09	N72-23173 *	US-PATENT-CLASS-329-122	c 07	N73-28012 *	US-PATENT-CLASS-330-109	c 33	N82-24417 *
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US-PATENT-CLASS-328-154	c 08	N72-22162 *	US-PATENT-CLASS-329-124	c 33	N78-32338 *	US-PATENT-CLASS-330-124	c 07	N71-28430 *
US-PATENT-CLASS-328-154	c 10	N73-13235 *	US-PATENT-CLASS-329-124	c 32	N84-27952 *	US-PATENT-CLASS-330-12	c 10	N72-33230 *
US-PATENT-CLASS-328-154	c 33	N74-22814 *	US-PATENT-CLASS-329-126	c 33	N74-12887 *	US-PATENT-CLASS-330-13	c 10	N71-26415 *
US-PATENT-CLASS-328-155	c 10	N72-16172 *	US-PATENT-CLASS-329-140	c 07	N71-24583 *	US-PATENT-CLASS-330-13	c 33	N75-30428 *
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US-PATENT-CLASS-328-155	c 32	N88-29076 *	US-PATENT-CLASS-329-166	c 33	N75-19520 *	US-PATENT-CLASS-330-176	c 10	N72-17171 *
US-PATENT-CLASS-328-160	c 32	N74-19788 *	US-PATENT-CLASS-329-166	c 33	N75-25041 *	US-PATENT-CLASS-330-18	c 09	N72-17155 *
US-PATENT-CLASS-328-161	c 33	N77-17354 *	US-PATENT-CLASS-329-204	c 33	N75-19520 *	US-PATENT-CLASS-330-18	c 33	N75-30428 *
US-PATENT-CLASS-328-163	c 33	N79-10338 *	US-PATENT-CLASS-329-204	c 33	N75-25041 *	US-PATENT-CLASS-330-200	c 07	N71-28430 *
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US-PATENT-CLASS-343-204	c 07	N73-26118 *	US-PATENT-CLASS-343-766	c 35	N92-33010 *	US-PATENT-CLASS-343-854	c 33	N74-20860 *
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US-PATENT-CLASS-343-352	c 43	N85-21723 *	US-PATENT-CLASS-343-769	c 32	N74-20864 *	US-PATENT-CLASS-343-854	c 32	N79-11264 *
US-PATENT-CLASS-343-352	c 46	N85-21846 *	US-PATENT-CLASS-343-770	c 09	N72-31235 *	US-PATENT-CLASS-343-854	c 32	N80-28578 *
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US-PATENT-CLASS-343-357	c 04	N84-22546 *	US-PATENT-CLASS-343-771	c 07	N71-28809 *	US-PATENT-CLASS-343-873	c 07	N71-19493 *
US-PATENT-CLASS-343-357	c 04	N86-27270 *	US-PATENT-CLASS-343-771	c 07	N72-11148 *	US-PATENT-CLASS-343-873	c 09	N72-25247 *
US-PATENT-CLASS-343-376	c 33	N85-21493 *	US-PATENT-CLASS-343-771	c 09	N72-21244 *	US-PATENT-CLASS-343-876	c 32	N76-15329 *
US-PATENT-CLASS-343-418	c 04	N86-27270 *	US-PATENT-CLASS-343-771	c 07	N72-22127 *	US-PATENT-CLASS-343-876	c 32	N85-29118 *
US-PATENT-CLASS-343-460	c 46	N85-21846 *	US-PATENT-CLASS-343-771	c 09	N72-25247 *	US-PATENT-CLASS-343-880	c 07	N73-26117 *
US-PATENT-CLASS-343-5-CD	c 43	N86-19711 *	US-PATENT-CLASS-343-771	c 09	N72-31235 *	US-PATENT-CLASS-343-880	c 18	N80-14183 *
US-PATENT-CLASS-343-5-CM	c 32	N84-34651 *	US-PATENT-CLASS-343-772	c 07	N72-20141 *	US-PATENT-CLASS-343-880	c 32	N89-25363 *
US-PATENT-CLASS-343-5-CM	c 32	N85-34327 *	US-PATENT-CLASS-343-772	c 32	N81-25278 *	US-PATENT-CLASS-343-881	c 37	N86-25789 *
US-PATENT-CLASS-343-5-CM	c 43	N86-19711 *	US-PATENT-CLASS-343-773	c 07	N72-20141 *	US-PATENT-CLASS-343-882	c 33	N76-32457 *
US-PATENT-CLASS-343-5-DP	c 32	N84-34651 *	US-PATENT-CLASS-343-776	c 07	N71-12396 *	US-PATENT-CLASS-343-882	c 37	N86-25789 *
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US-PATENT-CLASS-343-5-VQ	c 43	N86-19711 *	US-PATENT-CLASS-343-777	c 07	N72-25174 *	US-PATENT-CLASS-343-883	c 18	N80-14183 *
US-PATENT-CLASS-343-5-W	c 32	N85-34327 *	US-PATENT-CLASS-343-777	c 32	N89-11961 *	US-PATENT-CLASS-343-883	c 37	N86-25791 *
US-PATENT-CLASS-343-5CM	c 07	N72-21118 *	US-PATENT-CLASS-343-778	c 32	N89-11961 *	US-PATENT-CLASS-343-884	c 07	N71-27191 *
US-PATENT-CLASS-343-5CM	c 32	N77-21267 *	US-PATENT-CLASS-343-779	c 07	N71-11285 *	US-PATENT-CLASS-343-889	c 07	N73-26117 *
US-PATENT-CLASS-343-5CM	c 32	N77-32342 *	US-PATENT-CLASS-343-779	c 10	N72-22235 *	US-PATENT-CLASS-343-893	c 09	N72-21244 *
US-PATENT-CLASS-343-5CM	c 35	N79-10391 *	US-PATENT-CLASS-343-779	c 07	N72-25174 *	US-PATENT-CLASS-343-893	c 07	N73-28013 *
US-PATENT-CLASS-343-5CM	c 32	N79-14268 *	US-PATENT-CLASS-343-779	c 32	N76-15329 *	US-PATENT-CLASS-343-895	c 09	N73-19234 *
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US-PATENT-CLASS-343-5CM	c 32	N83-18975 *	US-PATENT-CLASS-343-781A	c 32	N78-31321 *	US-PATENT-CLASS-343-895	c 32	N82-27558 *
US-PATENT-CLASS-343-5CM	c 32	N83-19968 *	US-PATENT-CLASS-343-781B	c 46	N82-12685 *	US-PATENT-CLASS-343-9PS	c 32	N83-19968 *
US-PATENT-CLASS-343-5CM	c 32	N83-31918 *	US-PATENT-CLASS-343-781R	c 32	N81-25278 *	US-PATENT-CLASS-343-9PS	c 32	N83-31918 *
US-PATENT-CLASS-343-5DP	c 07	N72-11149 *	US-PATENT-CLASS-343-781	c 09	N70-35219 *	US-PATENT-CLASS-343-9R	c 32	N84-22820 *
US-PATENT-CLASS-343-5DP	c 09	N73-12211 *	US-PATENT-CLASS-343-781	c 09	N70-35382 *	US-PATENT-CLASS-343-909	c 32	N74-11000 *
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US-PATENT-CLASS-343-5DP	c 32	N82-23376 *	US-PATENT-CLASS-343-781	c 07	N72-32169 *	US-PATENT-CLASS-343-909	c 33	N79-28416 *
US-PATENT-CLASS-343-5GC	c 32	N75-24982 *	US-PATENT-CLASS-343-781	c 32	N74-11000 *	US-PATENT-CLASS-343-909	c 32	N80-14281 *
US-PATENT-CLASS-343-5MM	c 32	N77-21267 *	US-PATENT-CLASS-343-781	c 33	N75-19516 *	US-PATENT-CLASS-343-912	c 07	N72-21117 *
US-PATENT-CLASS-343-5NA	c 31	N79-28370 *	US-PATENT-CLASS-343-781	c 32	N76-21365 *	US-PATENT-CLASS-343-912	c 07	N72-22127 *
US-PATENT-CLASS-343-5W	c 35	N79-10391 *	US-PATENT-CLASS-343-782	c 07	N73-14130 *	US-PATENT-CLASS-343-912	c 32	N76-18295 *
US-PATENT-CLASS-343-5W	c 43	N80-18498 *	US-PATENT-CLASS-343-782	c 32	N78-31321 *	US-PATENT-CLASS-343-915	c 31	N71-16202 *
US-PATENT-CLASS-343-5W	c 46	N85-21846 *	US-PATENT-CLASS-343-784	c 07	N71-28980 *	US-PATENT-CLASS-343-915	c 09	N71-20658 *
US-PATENT-CLASS-343-6BR	c 32	N77-20289 *	US-PATENT-CLASS-343-786	c 07	N71-15907 *	US-PATENT-CLASS-343-915	c 07	N72-32169 *
US-PATENT-CLASS-343-6SR	c 07	N72-12080 *	US-PATENT-CLASS-343-786	c 07	N71-22750 *	US-PATENT-CLASS-343-915	c 07	N73-14130 *
US-PATENT-CLASS-343-6SR	c 07	N72-21118 *	US-PATENT-CLASS-343-786	c 07	N71-26101 *	US-PATENT-CLASS-343-915	c 07	N73-24176 *
US-PATENT-CLASS-343-6SR	c 07	N72-25171 *	US-PATENT-CLASS-343-786	c 07	N71-27233 *	US-PATENT-CLASS-343-915	c 32	N76-18295 *
US-PATENT-CLASS-343-6SR	c 08	N72-25209 *	US-PATENT-CLASS-343-786	c 07	N72-20141 *	US-PATENT-CLASS-343-915	c 33	N76-32457 *
US-PATENT-CLASS-343-6SR	c 07	N73-25161 *	US-PATENT-CLASS-343-786	c 10	N72-22235 *	US-PATENT-CLASS-343-915	c 32	N89-25363 *
US-PATENT-CLASS-343-6SR	c 21	N73-30641 *	US-PATENT-CLASS-343-786	c 07	N72-25174 *	US-PATENT-CLASS-343-9	c 32	N75-15854 *
US-PATENT-CLASS-343-6SR	c 32	N74-12912 *	US-PATENT-CLASS-343-786	c 09	N72-31235 *	US-PATENT-CLASS-343-9	c 32	N79-10264 *
US-PATENT-CLASS-343-6SR	c 32	N75-15854 *	US-PATENT-CLASS-343-786	c 32	N74-20863 *	US-PATENT-CLASS-346-107A	c 14	N72-18411 *
US-PATENT-CLASS-343-6SR	c 03	N75-30132 *	US-PATENT-CLASS-343-786	c 32	N76-15330 *	US-PATENT-CLASS-346-107	c 23	N71-23976 *
US-PATENT-CLASS-343-6SR	c 32	N77-20289 *	US-PATENT-CLASS-343-786	c 32	N76-21365 *	US-PATENT-CLASS-346-108	c 35	N74-15831 *
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US-PATENT-CLASS-343-6.5	c 21	N71-17666 *	US-PATENT-CLASS-343-786	c 32	N80-29539 *	US-PATENT-CLASS-346-138	c 21	N73-13644 *
US-PATENT-CLASS-343-6.5	c 10	N71-23099 *	US-PATENT-CLASS-343-786	c 32	N81-25278 *	US-PATENT-CLASS-346-138	c 35	N74-15831 *
US-PATENT-CLASS-343-6.8-R	c 04	N86-19304 *	US-PATENT-CLASS-343-789	c 32	N81-14187 *	US-PATENT-CLASS-346-1	c 12	N71-20815 *
US-PATENT-CLASS-343-6.8R	c 07	N72-12080 *	US-PATENT-CLASS-343-789	c 32	N82-27558 *	US-PATENT-CLASS-346-1	c 09	N72-21246 *
US-PATENT-CLASS-343-6.8R	c 07	N73-25161 *	US-PATENT-CLASS-343-795	c 32	N82-11336 *	US-PATENT-CLASS-346-23	c 14	N72-18411 *
US-PATENT-CLASS-343-6.8R	c 14	N73-25461 *	US-PATENT-CLASS-343-797	c 09	N71-24842 *	US-PATENT-CLASS-346-24	c 35	N74-15831 *
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US-PATENT-CLASS-343-7.5	c 07	N69-39974 *	US-PATENT-CLASS-343-797	c 33	N76-14372 *	US-PATENT-CLASS-346-74MD	c 21	N73-13644 *
US-PATENT-CLASS-343-7.5	c 09	N71-24595 *	US-PATENT-CLASS-343-797	c 32	N81-14187 *	US-PATENT-CLASS-346-74MT	c 35	N79-16246 *
US-PATENT-CLASS-343-7.5	c 07	N72-11149 *	US-PATENT-CLASS-343-799	c 07	N71-27233 *	US-PATENT-CLASS-346R	c 73	N77-18891 *
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US-PATENT-CLASS-343-700MS	c 32	N80-32604 *	US-PATENT-CLASS-343-830	c 32	N80-32604 *	US-PATENT-CLASS-35-12C	c 09	N75-15662 *
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US-PATENT-CLASS-427-248.1	c 27	N86-19458 *	US-PATENT-CLASS-427-384	c 24	N83-13172 *	US-PATENT-CLASS-427-75	c 44	N79-11468 *
US-PATENT-CLASS-427-248.1	c 35	N93-14714 *	US-PATENT-CLASS-427-384	c 27	N94-20195 *	US-PATENT-CLASS-427-75	c 44	N78-25527 *
US-PATENT-CLASS-427-248E	c 37	N78-13436 *	US-PATENT-CLASS-427-385.5	c 27	N81-14078 *	US-PATENT-CLASS-427-75	c 33	N84-16456 *
US-PATENT-CLASS-427-248J	c 44	N78-24609 *	US-PATENT-CLASS-427-385.5	c 27	N86-20561 *	US-PATENT-CLASS-427-84	c 44	N79-11472 *
US-PATENT-CLASS-427-248	c 44	N78-28635 *	US-PATENT-CLASS-427-385.5	c 27	N94-20373 *	US-PATENT-CLASS-427-85	c 44	N85-20530 *
US-PATENT-CLASS-427-249	c 44	N78-28635 *	US-PATENT-CLASS-427-385B	c 44	N78-25530 *	US-PATENT-CLASS-427-86	c 44	N78-28635 *
US-PATENT-CLASS-427-249	c 44	N78-24609 *	US-PATENT-CLASS-427-385C	c 44	N78-25530 *	US-PATENT-CLASS-427-86	c 44	N78-24609 *
US-PATENT-CLASS-427-250	c 12	N76-15189 *	US-PATENT-CLASS-427-386	c 24	N78-27180 *	US-PATENT-CLASS-427-88	c 44	N79-31752 *
US-PATENT-CLASS-427-250	c 44	N78-28635 *	US-PATENT-CLASS-427-387	c 74	N78-32854 *	US-PATENT-CLASS-427-88	c 44	N83-13579 *
US-PATENT-CLASS-427-250	c 37	N78-13436 *	US-PATENT-CLASS-427-387	c 24	N83-13171 *	US-PATENT-CLASS-427-88	c 33	N84-16456 *
US-PATENT-CLASS-427-253	c 27	N82-28441 *	US-PATENT-CLASS-427-387	c 24	N83-13172 *	US-PATENT-CLASS-427-89	c 44	N83-13579 *
US-PATENT-CLASS-427-255.6	c 35	N93-14714 *	US-PATENT-CLASS-427-388.1	c 27	N86-20561 *	US-PATENT-CLASS-427-90	c 44	N83-13579 *
US-PATENT-CLASS-427-255.7	c 35	N93-14714 *	US-PATENT-CLASS-427-388.1	c 27	N94-20373 *	US-PATENT-CLASS-427-91	c 44	N83-13579 *
US-PATENT-CLASS-427-255	c 37	N78-13436 *	US-PATENT-CLASS-427-388A	c 24	N78-27180 *	US-PATENT-CLASS-427-95	c 25	N79-28253 *
US-PATENT-CLASS-427-255	c 35	N93-14714 *	US-PATENT-CLASS-427-38	c 74	N78-32854 *	US-PATENT-CLASS-427-96	c 33	N84-16456 *
US-PATENT-CLASS-427-261	c 44	N78-25527 *	US-PATENT-CLASS-427-38	c 27	N80-24437 *	US-PATENT-CLASS-428-105	c 27	N94-20373 *
US-PATENT-CLASS-427-261	c 44	N79-11472 *	US-PATENT-CLASS-427-38	c 26	N85-29005 *	US-PATENT-CLASS-428-109	c 24	N93-14700 *
US-PATENT-CLASS-427-269	c 24	N93-29023 *	US-PATENT-CLASS-427-38	c 27	N86-19458 *	US-PATENT-CLASS-428-109	c 27	N76-14264 *
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US-PATENT-CLASS-427-270	c 24	N93-29023 *	US-PATENT-CLASS-427-38	c 74	N92-29158 *	US-PATENT-CLASS-428-113	c 24	N81-14000 *
US-PATENT-CLASS-427-270	c 27	N94-20541 *	US-PATENT-CLASS-427-393.3	c 27	N82-16238 *	US-PATENT-CLASS-428-114	c 24	N81-13999 *
US-PATENT-CLASS-427-272	c 31	N90-19427 *	US-PATENT-CLASS-427-397.7	c 27	N82-33520 *	US-PATENT-CLASS-428-114	c 24	N81-14000 *
US-PATENT-CLASS-427-272	c 24	N90-25197 *	US-PATENT-CLASS-427-397.7	c 26	N85-35267 *	US-PATENT-CLASS-428-116	c 24	N78-10214 *
US-PATENT-CLASS-427-275	c 27	N76-16229 *	US-PATENT-CLASS-427-398A	c 44	N79-11472 *	US-PATENT-CLASS-428-116	c 24	N78-17149 *
US-PATENT-CLASS-427-282	c 24	N90-25197 *	US-PATENT-CLASS-427-399	c 44	N79-11472 *	US-PATENT-CLASS-428-116	c 24	N86-28131 *
US-PATENT-CLASS-427-287	c 27	N76-16229 *	US-PATENT-CLASS-427-399	c 36	N84-22944 *	US-PATENT-CLASS-428-117	c 37	N76-24575 *
US-PATENT-CLASS-427-287	c 24	N93-29023 *	US-PATENT-CLASS-427-39	c 24	N85-21267 *	US-PATENT-CLASS-428-117	c 24	N78-15180 *
US-PATENT-CLASS-427-290	c 24	N90-25197 *	US-PATENT-CLASS-427-39	c 31	N86-32587 *	US-PATENT-CLASS-428-117	c 24	N79-16915 *
US-PATENT-CLASS-427-292	c 24	N79-17916 *	US-PATENT-CLASS-427-400	c 27	N83-34039 *	US-PATENT-CLASS-428-117	c 24	N79-16915 *
US-PATENT-CLASS-427-292	c 24	N83-13172 *	US-PATENT-CLASS-427-402	c 27	N76-22377 *	US-PATENT-CLASS-428-133	c 37	N79-10422 *
US-PATENT-CLASS-427-294	c 27	N79-14214 *	US-PATENT-CLASS-427-402	c 27	N76-23426 *	US-PATENT-CLASS-428-137	c 24	N79-25142 *
US-PATENT-CLASS-427-294	c 26	N85-35267 *	US-PATENT-CLASS-427-404	c 24	N93-14706 *	US-PATENT-CLASS-428-138	c 24	N78-10214 *
US-PATENT-CLASS-427-294	c 24	N92-16025 *	US-PATENT-CLASS-427-405	c 34	N78-18355 *	US-PATENT-CLASS-428-139	c 23	N81-29160 *
US-PATENT-CLASS-427-294	c 31	N93-26101 *	US-PATENT-CLASS-427-405	c 27	N82-28441 *	US-PATENT-CLASS-428-140	c 24	N81-14000 *
US-PATENT-CLASS-427-295	c 31	N93-26101 *	US-PATENT-CLASS-427-405	c 27	N83-31855 *	US-PATENT-CLASS-428-141	c 24	N77-28225 *
US-PATENT-CLASS-427-296	c 26	N84-22734 *	US-PATENT-CLASS-427-405	c 26	N84-27855 *	US-PATENT-CLASS-428-141	c 27	N82-28440 *
US-PATENT-CLASS-427-296	c 31	N93-26101 *	US-PATENT-CLASS-427-407.1	c 27	N83-34039 *	US-PATENT-CLASS-428-141	c 27	N82-33521 *
US-PATENT-CLASS-427-2	c 52	N90-20616 *	US-PATENT-CLASS-427-40	c 27	N78-31233 *	US-PATENT-CLASS-428-155	c 37	N84-22957 *
US-PATENT-CLASS-427-302	c 74	N78-32854 *	US-PATENT-CLASS-427-40	c 27	N79-18052 *	US-PATENT-CLASS-428-161	c 24	N77-28225 *
US-PATENT-CLASS-427-302	c 24	N83-13172 *	US-PATENT-CLASS-427-40	c 27	N80-24437 *	US-PATENT-CLASS-428-179	c 24	N93-14700 *
US-PATENT-CLASS-427-306	c 26	N84-22734 *	US-PATENT-CLASS-427-419.1	c 76	N92-22040 *	US-PATENT-CLASS-428-182	c 18	N84-33450 *
US-PATENT-CLASS-427-318	c 26	N83-31795 *	US-PATENT-CLASS-427-419.2	c 26	N83-31795 *	US-PATENT-CLASS-428-182	c 31	N89-12766 *
US-PATENT-CLASS-427-322	c 34	N77-18382 *	US-PATENT-CLASS-427-419.2	c 26	N84-27855 *	US-PATENT-CLASS-428-182	c 24	N93-14700 *
US-PATENT-CLASS-427-322	c 74	N78-32854 *	US-PATENT-CLASS-427-419.2	c 76	N92-22040 *	US-PATENT-CLASS-428-184	c 18	N84-33450 *
US-PATENT-CLASS-427-322	c 27	N83-34039 *	US-PATENT-CLASS-427-419.2	c 24	N93-14706 *	US-PATENT-CLASS-428-184	c 24	N93-14700 *
US-PATENT-CLASS-427-327	c 24	N79-17916 *	US-PATENT-CLASS-427-419A	c 34	N78-18355 *	US-PATENT-CLASS-428-185	c 24	N93-14700 *
US-PATENT-CLASS-427-328	c 24	N79-17916 *	US-PATENT-CLASS-427-41	c 27	N78-31233 *	US-PATENT-CLASS-428-186	c 24	N93-14700 *
US-PATENT-CLASS-427-340	c 27	N83-34039 *	US-PATENT-CLASS-427-41	c 74	N78-32854 *	US-PATENT-CLASS-428-189	c 27	N79-12221 *
US-PATENT-CLASS-427-343	c 44	N79-11472 *	US-PATENT-CLASS-427-41	c 27	N79-14214 *	US-PATENT-CLASS-428-192	c 27	N82-24339 *
US-PATENT-CLASS-427-343	c 76	N92-10681 *	US-PATENT-CLASS-427-41	c 27	N79-18052 *	US-PATENT-CLASS-428-193	c 27	N82-24339 *
US-PATENT-CLASS-427-344	c 35	N93-14714 *	US-PATENT-CLASS-427-41	c 27	N80-23452 *	US-PATENT-CLASS-428-1	c 39	N93-29613 *
US-PATENT-CLASS-427-346	c 71	N84-16940 *	US-PATENT-CLASS-427-421	c 71	N84-16940 *	US-PATENT-CLASS-428-1	c 39	N94-23308 *
US-PATENT-CLASS-427-34	c 34	N78-18355 *	US-PATENT-CLASS-427-421	c 26	N86-32550 *	US-PATENT-CLASS-428-202	c 27	N84-14323 *
US-PATENT-CLASS-427-34	c 24	N79-17916 *	US-PATENT-CLASS-427-422	c 24	N85-30027 *	US-PATENT-CLASS-428-212	c 27	N78-14264 *
US-PATENT-CLASS-427-34	c 27	N82-29453 *	US-PATENT-CLASS-427-423	c 34	N78-18355 *	US-PATENT-CLASS-428-212	c 27	N79-12221 *
US-PATENT-CLASS-427-34	c 27	N83-31855 *	US-PATENT-CLASS-427-423	c 27	N82-29453 *	US-PATENT-CLASS-428-212	c 27	N82-29456 *
US-PATENT-CLASS-427-34	c 31	N83-35177 *	US-PATENT-CLASS-427-423	c 27	N83-31855 *	US-PATENT-CLASS-428-212	c 24	N92-21725 *
US-PATENT-CLASS-427-34	c 37	N84-22957 *	US-PATENT-CLASS-427-423	c 31	N83-35177 *	US-PATENT-CLASS-428-213	c 24	N92-21725 *
US-PATENT-CLASS-427-34	c 26	N84-27855 *	US-PATENT-CLASS-427-423	c 37	N84-22957 *	US-PATENT-CLASS-428-213	c 24	N93-14700 *
US-PATENT-CLASS-427-34	c 75	N91-25875 *	US-PATENT-CLASS-427-425	c 37	N82-24492 *	US-PATENT-CLASS-428-214	c 27	N76-14264 *
US-PATENT-CLASS-427-350	c 24	N79-25142 *	US-PATENT-CLASS-427-426	c 27	N76-15310 *	US-PATENT-CLASS-428-215	c 27	N92-10091 *
US-PATENT-CLASS-427-352	c 27	N83-34039 *	US-PATENT-CLASS-427-426	c 71	N84-16940 *	US-PATENT-CLASS-428-216	c 76	N90-24168 *
US-PATENT-CLASS-427-355	c 24	N79-17916 *	US-PATENT-CLASS-427-427	c 24	N78-24290 *	US-PATENT-CLASS-428-218	c 27	N82-29456 *
US-PATENT-CLASS-427-367	c 24	N93-14706 *	US-PATENT-CLASS-427-427	c 26	N86-32550 *	US-PATENT-CLASS-428-218	c 24	N83-13171 *
US-PATENT-CLASS-427-372.2	c 27	N82-33520 *	US-PATENT-CLASS-427-429	c 27	N81-14078 *	US-PATENT-CLASS-428-220	c 15	N79-26100 *
US-PATENT-CLASS-427-372.2	c 44	N84-28205 *	US-PATENT-CLASS-427-436	c 33	N84-16456 *	US-PATENT-CLASS-428-225	c 31	N93-29611 *
US-PATENT-CLASS-427-372A	c 24	N79-25142 *	US-PATENT-CLASS-427-437	c 33	N84-16456 *	US-PATENT-CLASS-428-241	c 27	N82-24339 *
US-PATENT-CLASS-427-374.2	c 27	N94-20195 *	US-PATENT-CLASS-427-443.2	c 25	N84-12262 *	US-PATENT-CLASS-428-241	c 27	N83-18908 *
US-PATENT-CLASS-427-375	c 24	N92-10070 *	US-PATENT-CLASS-427-443.2	c 24	N92-16025 *	US-PATENT-CLASS-428-242	c 27	N82-24339 *
US-PATENT-CLASS-427-376.2	c 26	N85-35267 *	US-PATENT-CLASS-427-443	c 44	N84-28205 *	US-PATENT-CLASS-428-244	c 27	N83-18908 *
US-PATENT-CLASS-427-376.6	c 33	N84-16456 *	US-PATENT-CLASS-427-44	c 74	N78-32854 *	US-PATENT-CLASS-428-245	c 27	N82-24339 *
US-PATENT-CLASS-427-376.7	c 33	N84-16456 *	US-PATENT-CLASS-427-44	c 27	N80-32516 *	US-PATENT-CLASS-428-245	c 27	N83-18908 *
US-PATENT-CLASS-427-376A	c 27	N78-32260 *	US-PATENT-CLASS-427-455	c 27	N94-20541 *	US-PATENT-CLASS-428-246	c 27	N84-14322 *
US-PATENT-CLASS-427-376B	c 27	N78-32260 *	US-PATENT-CLASS-427-456	c 24	N93-14706 *	US-PATENT-CLASS-428-246	c 03	N84-33394 *
US-PATENT-CLASS-427-376B	c 24	N79-17916 *	US-PATENT-CLASS-427-47	c 44	N77-32583 *	US-PATENT-CLASS-428-247	c 33	N79-12331 *
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US-PATENT-CLASS-427-376	c 27	N76-23426 *	US-PATENT-CLASS-427-526	c 33	N93-20119 *	US-PATENT-CLASS-428-252	c 54	N90-25498 *
US-PATENT-CLASS-427-377	c 24	N93-29023 *	US-PATENT-CLASS-427-527	c 35	N93-14714 *	US-PATENT-CLASS-428-257	c 27	N82-24339 *
US-PATENT-CLASS-427-379	c 27	N76-22377 *	US-PATENT-CLASS-427-53.1	c 36	N84-22944 *	US-PATENT-CLASS-428-257	c 24	N94-20539 *
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US-PATENT-CLASS-428-259

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US-PATENT-3,929,119	c 75	N76-17951 *	US-PATENT-3,971,363	c 52	N76-29895 *	US-PATENT-4,007,601	c 34	N77-19353 *
US-PATENT-3,929,305	c 34	N76-17317 *	US-PATENT-3,971,364	c 52	N76-29896 *	US-PATENT-4,007,623	c 35	N77-18417 *
US-PATENT-3,929,306	c 18	N76-17185 *	US-PATENT-3,971,535	c 05	N76-29217 *	US-PATENT-4,007,891	c 07	N77-18154 *
US-PATENT-3,929,364	c 35	N76-16392 *	US-PATENT-3,971,602	c 37	N76-29588 *	US-PATENT-4,008,348	c 34	N77-18382 *
US-PATENT-3,930,628	c 02	N76-16014 *	US-PATENT-3,971,697	c 25	N76-29379 *	US-PATENT-4,008,407	c 73	N77-18891 *
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US-PATENT-3,931,447	c 27	N76-16229 *	US-PATENT-3,971,915	c 35	N76-29552 *	US-PATENT-4,011,719	c 20	N77-20162 *
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US-PATENT-3,936,927	c 37	N76-19437 *	US-PATENT-3,972,727	c 44	N76-29699 *	US-PATENT-4,012,696	c 32	N77-20289 *
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US-PATENT-3,937,212	c 33	N76-19338 *	US-PATENT-3,977,147	c 39	N76-31562 *	US-PATENT-4,014,798	c 25	N81-17187 *
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US-PATENT-3,937,555	c 35	N76-18402 *	US-PATENT-3,977,787	c 35	N76-31490 *	US-PATENT-4,018,092	c 37	N77-22482 *
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US-PATENT-4,698,484	c 37	N88-14362 *	US-PATENT-4,790,026	c 60	N89-26400 *	US-PATENT-4,907,233	c 17	N90-21061 *
US-PATENT-4,698,518	c 33	N88-24862 *	US-PATENT-4,798,433	c 74	N89-25689 *	US-PATENT-4,909,133	c 37	N90-22042 *
US-PATENT-4,698,723	c 03	N88-14083 *	US-PATENT-4,800,756	c 71	N90-12289 *	US-PATENT-4,909,313	c 34	N90-21999 *
US-PATENT-4,704,168	c 26	N88-14179 *	US-PATENT-4,805,368	c 18	N89-28554 *	US-PATENT-4,909,436	c 35	N91-21496 *
US-PATENT-4,704,197	c 25	N88-24732 *	US-PATENT-4,807,834	c 18	N89-25266 *	US-PATENT-4,909,933	c 29	N90-21209 *
US-PATENT-4,706,387	c 37	N88-14361 *	US-PATENT-4,809,003	c 32	N89-28672 *	US-PATENT-4,910,233	c 27	N90-21198 *
US-PATENT-4,706,910	c 02	N88-14071 *	US-PATENT-4,809,441	c 37	N89-28831 *	US-PATENT-4,910,396	c 74	N90-22383 *
US-PATENT-4,708,280	c 37	N88-14359 *	US-PATENT-4,809,936	c 18	N89-28553 *	US-PATENT-4,911,062	c 24	N90-21822 *
US-PATENT-4,708,305	c 08	N88-23809 *	US-PATENT-4,810,094	c 35	N89-26202 *	US-PATENT-4,911,738	c 35	N90-22024 *
US-PATENT-4,708,330	c 37	N88-14360 *	US-PATENT-4,810,438	c 27	N89-29539 *	US-PATENT-4,911,890	c 35	N90-22025 *
US-PATENT-4,709,252	c 33	N88-14271 *	US-PATENT-4,811,033	c 32	N89-25363 *	US-PATENT-4,912,082	c 25	N90-23517 *
US-PATENT-4,710,618	c 44	N88-14492 *	US-PATENT-4,815,279	c 20	N89-25279 *	US-PATENT-4,912,238	c 23	N91-17141 *
US-PATENT-4,711,697	c 76	N88-14835 *	US-PATENT-4,818,868	c 72	N89-29169 *	US-PATENT-4,912,386	c 33	N90-21951 *
US-PATENT-4,711,857	c 76	N88-14836 *	US-PATENT-4,819,064	c 32	N89-28676 *	US-PATENT-4,912,411	c 26	N90-21170 *
US-PATENT-4,711,932	c 27	N88-18725 *	US-PATENT-4,819,438	c 25	N90-11824 *	US-PATENT-4,912,414	c 35	N90-22023 *
US-PATENT-4,713,275	c 24	N88-18628 *	US-PATENT-4,820,488	c 26	N89-28621 *	US-PATENT-4,913,225	c 31	N91-15424 *
US-PATENT-4,718,281	c 35	N88-23967 *	US-PATENT-4,821,907	c 31	N89-29578 *	US-PATENT-4,913,534	c 35	N91-13694 *
US-PATENT-4,720,139	c 37	N88-23982 *	US-PATENT-4,823,074	c 33	N89-29681 *	US-PATENT-4,916,954	c 35	N90-23712 *
US-PATENT-4,723,096	c 33	N88-23942 *	US-PATENT-4,823,299	c 33	N89-28713 *	US-PATENT-4,917,302	c 37	N90-23751 *
US-PATENT-4,723,800	c 37	N88-23979 *	US-PATENT-4,831,818	c 20	N90-19298 *	US-PATENT-4,917,332	c 05	N91-14345 *
US-PATENT-4,725,106	c 54	N88-24163 *	US-PATENT-4,833,233	c 52	N90-20616 *	US-PATENT-4,917,333	c 05	N90-23390 *
US-PATENT-4,726,890	c 76	N88-24543 *	US-PATENT-4,836,035	c 35	N90-17117 *	US-PATENT-4,917,940	c 76	N90-24168 *
US-PATENT-4,727,751	c 02	N88-23759 *	US-PATENT-4,836,707	c 37	N90-17154 *	US-PATENT-4,918,652	c 35	N90-23713 *
US-PATENT-4,728,257	c 37	N88-23978 *	US-PATENT-4,837,300	c 27	N90-16950 *	US-PATENT-4,919,852	c 27	N90-23568 *
US-PATENT-4,731,211	c 27	N88-23894 *	US-PATENT-4,838,346	c 34	N90-20323 *	US-PATENT-4,919,899	c 76	N90-24169 *
US-PATENT-4,732,353	c 08	N88-23808 *	US-PATENT-4,839,046	c 51	N91-14703 *	US-PATENT-4,920,487	c 62	N91-14769 *
US-PATENT-4,735,381	c 05	N88-23765 *	US-PATENT-4,839,121	c 31	N90-19425 *	US-PATENT-4,921,212	c 37	N91-14609 *
US-PATENT-4,736,247	c 36	N88-24958 *	US-PATENT-4,839,330	c 25	N90-20154 *	US-PATENT-4,921,293	c 37	N91-14616 *
US-PATENT-4,736,490	c 18	N88-23827 *	US-PATENT-4,839,489	c 37	N90-19602 *	US-PATENT-4,923,545	c 24	N90-25197 *
US-PATENT-4,736,676	c 37	N88-23981 *	US-PATENT-4,840,394	c 37	N90-17153 *	US-PATENT-4,923,741	c 54	N90-25498 *
US-PATENT-4,736,815	c 71	N88-24241 *	US-PATENT-4,840,496	c 36	N90-17132 *	US-PATENT-4,923,751	c 24	N90-25196 *
US-PATENT-4,736,927	c 35	N88-24927 *	US-PATENT-4,842,223	c 18	N90-19278 *	US-PATENT-4,924,053	c 31	N90-26168 *
US-PATENT-4,738,137	c 35	N88-23966 *	US-PATENT-4,842,224	c 18	N90-16860 *	US-PATENT-4,925,297	c 36	N90-25340 *
US-PATENT-4,738,583	c 18	N88-23828 *	US-PATENT-4,843,123	c 27	N90-16949 *	US-PATENT-4,926,481	c 60	N90-25583 *
US-PATENT-4,738,831	c 76	N88-24544 *	US-PATENT-4,843,328	c 32	N90-17005 *	US-PATENT-4,926,694	c 24	N91-14430 *
US-PATENT-4,740,264	c 76	N88-24545 *	US-PATENT-4,843,439	c 35	N90-17118 *	US-PATENT-4,927,326	c 37	N91-14608 *
US-PATENT-4,742,232	c 72	N88-24253 *	US-PATENT-4,843,440	c 33	N90-20282 *	US-PATENT-4,928,027	c 27	N91-14489 *
US-PATENT-4,748,263	c 23	N88-24692 *	US-PATENT-4,843,554	c 09	N90-20096 *	US-PATENT-4,932,270	c 35	N91-17350 *
US-PATENT-4,749,839	c 37	N88-23980 *	US-PATENT-4,845,167	c 23	N90-19300 *	US-PATENT-4,932,610	c 34	N91-14562 *
US-PATENT-4,750,031	c 33	N88-23941 *	US-PATENT-4,845,728	c 60	N90-21525 *	US-PATENT-4,932,688	c 37	N91-14613 *
US-PATENT-4,750,144	c 60	N88-24169 *	US-PATENT-4,845,993	c 09	N91-14357 *	US-PATENT-4,932,777	c 09	N91-14356 *
US-PATENT-4,750,543	c 34	N88-23958 *	US-PATENT-4,846,854	c 31	N90-20254 *	US-PATENT-4,933,806	c 37	N91-17387 *
US-PATENT-4,752,372	c 25	N88-23845 *	US-PATENT-4,847,502	c 35	N90-20351 *	US-PATENT-4,933,807	c 37	N91-15544 *
US-PATENT-4,757,278	c 33	N88-26596 *	US-PATENT-4,847,837	c 62	N90-19776 *	US-PATENT-4,933,558	c 74	N91-14835 *
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US-PATENT-4,761,744	c 25	N88-29002 *	US-PATENT-4,849,903	c 33	N90-19492 *	US-PATENT-4,936,869	c 28	N91-14495 *
US-PATENT-4,762,173	c 34	N88-29132 *	US-PATENT-4,851,071	c 31	N90-19427 *	US-PATENT-4,937,317	c 27	N91-15403 *
US-PATENT-4,762,619	c 31	N88-29052 *	US-PATENT-4,851,491	c 27	N90-21177 *	US-PATENT-4,937,356	c 23	N91-14419 *
US-PATENT-4,763,459	c 37	N88-29180 *	US-PATENT-4,851,544	c 23	N90-21118 *	US-PATENT-4,937,891	c 54	N91-14723 *
US-PATENT-4,763,762	c 37	N88-29181 *	US-PATENT-4,852,578	c 52	N90-21519 *	US-PATENT-4,942,632	c 54	N91-14724 *
US-PATENT-4,765,114	c 18	N88-28958 *	US-PATENT-4,855,274	c 25	N90-20180 *	US-PATENT-4,945,012	c 33	N91-14538 *
US-PATENT-4,765,139	c 35	N88-29151 *	US-PATENT-4,858,717	c 31	N90-21215 *	US-PATENT-4,945,549	c 32	N91-14523 *
US-PATENT-4,765,187	c 35	N88-29150 *	US-PATENT-4,858,857	c 18	N90-20126 *	US-PATENT-4,946,122	c 37	N91-14617 *
US-PATENT-4,765,396	c 34	N88-29133 *	US-PATENT-4,858,979	c 37	N90-20408 *	US-PATENT-4,946,421	c 37	N91-17388 *
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US-PATENT-4,766,369	c 35	N88-29149 *	US-PATENT-4,860,074	c 35	N90-21358 *	US-PATENT-4,947,408	c 32	N92-21712 *
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US-PATENT-4,767,083	c 05	N88-28914 *	US-PATENT-4,860,669	c 31	N91-15423 *	US-PATENT-4,954,864	c 33	N91-14551 *
US-PATENT-4,767,484	c 35	N88-30108 *	US-PATENT-4,860,971	c 03	N91-15142 *	US-PATENT-4,955,653	c 37	N91-14615 *
US-PATENT-4,767,728	c 27	N88-29040 *	US-PATENT-4,860,975	c 18	N91-14374 *	US-PATENT-4,956,996	c 35	N91-15511 *
US-PATENT-4,769,968	c 31	N89-12786 *	US-PATENT-4,861,416	c 76	N91-15898 *	US-PATENT-4,957,139	c 34	N91-14563 *
US-PATENT-4,770,032	c 35	N89-12841 *	US-PATENT-4,863,118	c 05	N90-20079 *	US-PATENT-4,957,357	c 35	N91-14591 *
US-PATENT-4,770,038	c 35	N89-14407 *	US-PATENT-4,863,553	c 76	N90-20896 *	US-PATENT-4,957,661	c 24	N91-15320 *
US-PATENT-4,770,232	c 35	N89-12048 *	US-PATENT-4,864,050	c 23	N90-20133 *	US-PATENT-4,959,084	c 45	N91-14662 *
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US-PATENT-4,770,455	c 37	N89-13785 *	US-PATENT-4,864,910	c 37	N90-21390 *	US-PATENT-4,962,330	c 71	N91-14808 *
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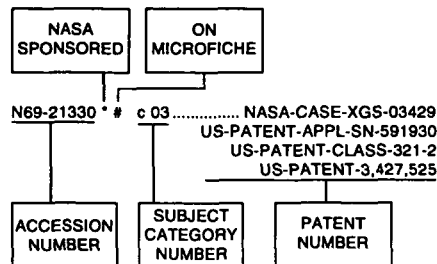
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N71-13545*	c 10	US-PATENT-CLASS-73-382	N71-15566*	c 31	US-PATENT-CLASS-350-3.5	N71-15637*	c 31	US-PATENT-CLASS-60-39.46
		US-PATENT-3,520,190			US-PATENT-3,535,014			US-PATENT-3,258,918
		NASA-CASE-LAR-10774			NASA-CASE-XKS-08012-2			NASA-CASE-XLE-01640
		US-PATENT-APPL-SN-802820			US-PATENT-APPL-SN-874958			US-PATENT-APPL-SN-473535
N71-13789*	c 15	US-PATENT-CLASS-73-1	N71-15567*	c 16	US-PATENT-CLASS-340-172.5	N71-15641*	c 33	US-PATENT-CLASS-60-35.6
		US-PATENT-3,534,584			US-PATENT-3,535,683			US-PATENT-3,270,504
		NASA-CASE-XLA-01141			NASA-CASE-ERC-10017			NASA-CASE-XNP-09802
		US-PATENT-APPL-SN-353632			US-PATENT-APPL-SN-677506			US-PATENT-APPL-SN-673229
N71-13958*	c 21	US-PATENT-CLASS-102-49	N71-15568*	c 33	US-PATENT-CLASS-350-3.5	N71-15642*	c 21	US-PATENT-CLASS-73-190
		US-PATENT-3,263,610			US-PATENT-3,535,012			US-PATENT-3,531,989
		NASA-CASE-GSC-10087-2			NASA-CASE-XLE-09475-1			NASA-CASE-XGS-03431
		US-PATENT-APPL-SN-701744			US-PATENT-APPL-SN-710945			US-PATENT-APPL-SN-588635
N71-14014*	c 18	US-PATENT-CLASS-343-112	N71-15571*	c 15	US-PATENT-CLASS-136-228	N71-15643*	c 31	US-PATENT-CLASS-250-203
		US-PATENT-3,495,260			US-PATENT-3,535,165			US-PATENT-3,488,504
		NASA-CASE-GSC-10072			NASA-CASE-XLA-07911			NASA-CASE-NPO-10311
		US-PATENT-APPL-SN-686296			US-PATENT-APPL-SN-660572			US-PATENT-APPL-SN-725475
N71-14032*	c 33	US-PATENT-CLASS-106-15	N71-15582*	c 21	US-PATENT-CLASS-33-207	N71-15644*	c 17	US-PATENT-CLASS-73-116
		US-PATENT-3,493,401			US-PATENT-3,492,739			US-PATENT-3,534,597
		NASA-CASE-XLE-05913			NASA-CASE-XLA-01163			NASA-CASE-XLE-00726
		US-PATENT-APPL-SN-551933			US-PATENT-APPL-SN-405632			US-PATENT-APPL-SN-355126
N71-14035*	c 33	US-PATENT-CLASS-117-106	N71-15583*	c 21	US-PATENT-CLASS-60-35.55	N71-15647*	c 31	US-PATENT-CLASS-75-170
		US-PATENT-3,490,939			US-PATENT-3,270,505			US-PATENT-3,271,140
		NASA-CASE-XLE-03307			NASA-CASE-XMF-01598			NASA-CASE-XGS-01143
		US-PATENT-APPL-SN-613979			US-PATENT-APPL-SN-333770			US-PATENT-APPL-SN-349781
N71-14043*	c 28	US-PATENT-CLASS-244-1	N71-15597*	c 15	US-PATENT-CLASS-244-1	N71-15658*	c 28	US-PATENT-CLASS-60-35.6
		US-PATENT-3,490,718			US-PATENT-3,270,985			US-PATENT-3,270,501
		NASA-CASE-XLE-01124			NASA-CASE-XLE-08917			NASA-CASE-XLE-00409
		US-PATENT-APPL-SN-312269			US-PATENT-APPL-SN-662829			US-PATENT-APPL-SN-249539
N71-14044*	c 28	US-PATENT-CLASS-60-35.5	N71-15598*	c 14	US-PATENT-CLASS-113-116	N71-15659*	c 28	US-PATENT-CLASS-29-157
		US-PATENT-3,238,715			US-PATENT-3,490,405			US-PATENT-3,254,395
		NASA-CASE-XGS-08729			NASA-CASE-XAC-00812			NASA-CASE-XLE-05689
		US-PATENT-APPL-SN-667637			US-PATENT-APPL-SN-255132			US-PATENT-APPL-SN-491845
N71-14058*	c 28	US-PATENT-CLASS-60-200	N71-15599*	c 14	US-PATENT-CLASS-73-341	N71-15660*	c 28	US-PATENT-CLASS-60-35.60
		US-PATENT-3,490,235			US-PATENT-3,238,777			US-PATENT-3,254,487
		NASA-CASE-MSC-12139-1			NASA-CASE-XNP-04161			NASA-CASE-XMF-00968
		US-PATENT-APPL-SN-797796			US-PATENT-APPL-SN-568356			US-PATENT-APPL-SN-339825
N71-14090*	c 27	US-PATENT-CLASS-103-37	N71-15600*	c 14	US-PATENT-CLASS-250-83.3	N71-15661*	c 28	US-PATENT-CLASS-60-35.6
		US-PATENT-3,492,847			US-PATENT-3,444,375			US-PATENT-3,270,499
		NASA-CASE-LAR-10173-1			NASA-CASE-XKS-06250			NASA-CASE-XLE-02066
		US-PATENT-APPL-SN-758942			US-PATENT-APPL-SN-649075			US-PATENT-APPL-SN-426455
N71-14132*	c 21	US-PATENT-CLASS-149-19	N71-15604*	c 14	US-PATENT-CLASS-73-97	N71-15663*	c 31	US-PATENT-CLASS-60-35.5
		US-PATENT-3,492,176			US-PATENT-3,492,862			US-PATENT-3,262,262
		NASA-CASE-XLA-05464			NASA-CASE-NPO-10337			NASA-CASE-XLA-00256
		US-PATENT-APPL-SN-656995			US-PATENT-APPL-SN-714296			US-PATENT-APPL-SN-333766
N71-14159*	c 21	US-PATENT-CLASS-244-1	N71-15605*	c 14	US-PATENT-CLASS-350-58	N71-15664*	c 31	US-PATENT-CLASS-244-1
		US-PATENT-3,493,194			US-PATENT-3,488,103			US-PATENT-3,262,655
		NASA-CASE-XGS-04393			NASA-CASE-GSC-10062			NASA-CASE-XLA-01332
		US-PATENT-APPL-SN-700142			US-PATENT-APPL-SN-658955			US-PATENT-APPL-SN-250974
N71-14354*	c 26	US-PATENT-CLASS-244-1	N71-15606*	c 15	US-PATENT-CLASS-350-285	N71-15673*	c 23	US-PATENT-CLASS-220-15
		US-PATENT-3,490,719			US-PATENT-3,493,294			US-PATENT-3,270,908
		NASA-CASE-ERC-10138			NASA-CASE-XNP-06031			NASA-CASE-XMS-01620
		US-PATENT-APPL-SN-821586			US-PATENT-APPL-SN-590144			US-PATENT-APPL-SN-357340
N71-14932*	c 15	US-PATENT-CLASS-225-2	N71-15607*	c 15	US-PATENT-CLASS-250-52	N71-15674*	c 31	US-PATENT-CLASS-248-358
		US-PATENT-3,493,155			US-PATENT-3,493,746			US-PATENT-3,243,154
		NASA-CASE-LEW-11531			NASA-CASE-XMF-03287			NASA-CASE-XLA-03691
		US-PATENT-APPL-SN-643332			US-PATENT-APPL-SN-658956			US-PATENT-APPL-SN-667625
N71-14996*	c 14	US-PATENT-CLASS-219-72	N71-15608*	c 15	US-PATENT-CLASS-228-7	N71-15675*	c 31	US-PATENT-CLASS-244-1
		US-PATENT-3,493,711			US-PATENT-3,443,732			US-PATENT-3,534,924
		NASA-CASE-XLA-00936			NASA-CASE-NPO-10117			NASA-CASE-XMF-03169
		US-PATENT-APPL-SN-282818			US-PATENT-APPL-SN-668238			US-PATENT-APPL-SN-375405
N71-15467*	c 23	US-PATENT-CLASS-73-170	N71-15609*	c 15	US-PATENT-CLASS-138-42	N71-15676*	c 31	US-PATENT-CLASS-89-1.5
		US-PATENT-3,238,774			US-PATENT-3,493,012			US-PATENT-3,262,365
		NASA-CASE-XNP-03796			NASA-CASE-XMF-04709			NASA-CASE-XGS-05579
		US-PATENT-APPL-SN-453231			US-PATENT-APPL-SN-683507			US-PATENT-APPL-SN-719869
N71-15468*	c 17	US-PATENT-CLASS-62-6	N71-15610*	c 15	US-PATENT-CLASS-137-81.5	N71-15687*	c 31	US-PATENT-CLASS-244-1
		US-PATENT-3,260,055			US-PATENT-3,493,003			US-PATENT-3,534,925
		NASA-CASE-LEW-10393-1			NASA-CASE-XLE-01604-2			NASA-CASE-XLA-05369
		US-PATENT-APPL-SN-644799			US-PATENT-APPL-SN-683613			US-PATENT-APPL-SN-765123
N71-15469*	c 18	US-PATENT-CLASS-75-202	N71-15620*	c 14	US-PATENT-CLASS-117-50	N71-15688*	c 18	US-PATENT-CLASS-102-49.5
		US-PATENT-3,535,110			US-PATENT-3,493,415			US-PATENT-3,534,686
		NASA-CASE-ARC-10089-1			NASA-CASE-XLA-01926			NASA-CASE-XNP-03459-2
		US-PATENT-APPL-SN-704224			US-PATENT-APPL-SN-784521			US-PATENT-APPL-SN-681942
N71-15545*	c 18	US-PATENT-CLASS-106-15	N71-15621*	c 14	US-PATENT-CLASS-340-57	N71-15689*	c 31	US-PATENT-CLASS-260-404.5
		US-PATENT-3,535,130			US-PATENT-3,491,335			US-PATENT-3,535,352
		NASA-CASE-XMS-09691-1			NASA-CASE-XNP-09572			NASA-CASE-MFS-14685
		US-PATENT-APPL-SN-738119			US-PATENT-APPL-SN-660841			US-PATENT-APPL-SN-752947
N71-15550*	c 16	US-PATENT-CLASS-8-94.12	N71-15622*	c 14	US-PATENT-CLASS-35-10.2	N71-15692*	c 31	US-PATENT-CLASS-180-118
		US-PATENT-3,526,473			US-PATENT-3,493,665			US-PATENT-CLASS-180-121
		NASA-CASE-XNP-05219			NASA-CASE-XNP-04111			US-PATENT-3,534,826
		US-PATENT-APPL-SN-336103			US-PATENT-APPL-SN-560969			NASA-CASE-XLA-01339
N71-15551*	c 16	US-PATENT-CLASS-330-4	N71-15623*	c 33	US-PATENT-CLASS-350-213	N71-15871*	c 15	US-PATENT-CLASS-373591
		US-PATENT-3,299,364			US-PATENT-3,493,291			US-PATENT-CLASS-102-49
		NASA-CASE-ERC-10019			NASA-CASE-XMS-01816			US-PATENT-3,260,204
		US-PATENT-APPL-SN-677508			US-PATENT-APPL-SN-425384			NASA-CASE-XMF-02038

		US-PATENT-APPL-SN-434143			US-PATENT-APPL-SN-304749			US-PATENT-APPL-SN-701732
		US-PATENT-CLASS-219-131			US-PATENT-CLASS-35-29			US-PATENT-CLASS-250-41.9
		US-PATENT-3,271,558			US-PATENT-3,270,441			US-PATENT-3,532,880
N71-15906*	c 15	NASA-CASE-XNP-00920	N71-16030*	c 10	NASA-CASE-XMF-01096	N71-16098*	c 23	NASA-CASE-XAC-03107
		US-PATENT-APPL-SN-329331			US-PATENT-APPL-SN-307270			US-PATENT-APPL-SN-538168
		US-PATENT-CLASS-62-2			US-PATENT-CLASS-318-376			US-PATENT-CLASS-73-505
		US-PATENT-3,270,512			US-PATENT-3,271,649			US-PATENT-3,455,171
N71-15907*	c 07	NASA-CASE-XNP-01057	N71-16031*	c 12	NASA-CASE-XMS-01445	N71-16099*	c 23	NASA-CASE-XGS-07514
		US-PATENT-APPL-SN-301683			US-PATENT-APPL-SN-385526			US-PATENT-APPL-SN-640453
		US-PATENT-CLASS-343-786			US-PATENT-CLASS-137-615			US-PATENT-CLASS-328-1
		US-PATENT-3,305,870			US-PATENT-3,308,848			US-PATENT-3,509,469
N71-15908*	c 08	NASA-CASE-XLA-02705	N71-16037*	c 26	NASA-CASE-XGS-05718	N71-16100*	c 23	NASA-CASE-XGS-05715
		US-PATENT-APPL-SN-473537			US-PATENT-APPL-SN-584071			US-PATENT-APPL-SN-668257
		US-PATENT-CLASS-129-16.7			US-PATENT-CLASS-29-472.9			US-PATENT-CLASS-250-233
		US-PATENT-3,310,054			US-PATENT-3,452,423			US-PATENT-3,532,894
N71-15909*	c 10	NASA-CASE-XAC-03777	N71-16042*	c 10	NASA-CASE-XAC-00942	N71-16101*	c 23	NASA-CASE-XNP-08883
		US-PATENT-APPL-SN-484489			US-PATENT-APPL-SN-310506			US-PATENT-APPL-SN-617021
		US-PATENT-CLASS-200-6			US-PATENT-CLASS-307-88.5			US-PATENT-CLASS-356-117
		US-PATENT-3,283,088			US-PATENT-3,277,314			US-PATENT-3,520,617
N71-15910*	c 10	NASA-CASE-XGS-00823	N71-16044*	c 17	NASA-CASE-XGS-06306	N71-16102*	c 31	NASA-CASE-XGS-09190
		US-PATENT-APPL-SN-336607			US-PATENT-APPL-SN-685473			US-PATENT-APPL-SN-647298
		US-PATENT-CLASS-307-88.5			US-PATENT-CLASS-156-3			US-PATENT-CLASS-343-915
		US-PATENT-3,283,175			US-PATENT-3,532,568			US-PATENT-3,521,290
N71-15918*	c 15	NASA-CASE-XMS-02383	N71-16046*	c 18	NASA-CASE-GSC-10007	N71-16103*	c 32	NASA-CASE-LAR-10317-1
		US-PATENT-APPL-SN-299042			US-PATENT-APPL-SN-627599			US-PATENT-APPL-SN-739927
		US-PATENT-CLASS-140-123			US-PATENT-CLASS-117-201			US-PATENT-CLASS-137-582
		US-PATENT-3,299,913			US-PATENT-3,532,538			US-PATENT-3,508,578
N71-15922*	c 15	NASA-CASE-XGS-01971	N71-16052*	c 15	NASA-CASE-XLE-02999	N71-16104*	c 33	NASA-CASE-XLE-00785
		US-PATENT-APPL-SN-353645			US-PATENT-APPL-SN-431235			US-PATENT-APPL-SN-666554
		US-PATENT-CLASS-85-33			US-PATENT-CLASS-29-148.4			US-PATENT-CLASS-60-108
		US-PATENT-3,262,351			US-PATENT-3,262,186			US-PATENT-3,508,402
N71-15925*	c 11	NASA-CASE-XLA-00378	N71-16057*	c 10	NASA-CASE-XNP-01193	N71-16105*	c 18	NASA-CASE-XLE-08511-2
		US-PATENT-APPL-SN-266107			US-PATENT-APPL-SN-366226			US-PATENT-APPL-SN-711921
		US-PATENT-CLASS-219-10.49			US-PATENT-CLASS-324-57			US-PATENT-CLASS-117-119
		US-PATENT-3,238,345			US-PATENT-3,277,366			US-PATENT-3,508,955
N71-15926*	c 11	NASA-CASE-XLA-00939	N71-16058*	c 10	NASA-CASE-XMF-01097	N71-16106*	c 32	NASA-CASE-XLA-04605
		US-PATENT-APPL-SN-309354			US-PATENT-APPL-SN-290873			US-PATENT-APPL-SN-619519
		US-PATENT-CLASS-73-147			US-PATENT-CLASS-340-227			US-PATENT-CLASS-137-582
		US-PATENT-3,276,251			US-PATENT-3,277,458			US-PATENT-3,443,584
N71-15960*	c 11	NASA-CASE-XAC-00731	N71-16073*	c 25	NASA-CASE-XAC-05695	N71-16124*	c 18	NASA-CASE-XMF-05279
		US-PATENT-APPL-SN-232318			US-PATENT-APPL-SN-634038			US-PATENT-APPL-SN-617774
		US-PATENT-CLASS-220-89			US-PATENT-CLASS-324-34			US-PATENT-CLASS-106-88
		US-PATENT-3,145,874			US-PATENT-3,517,302			US-PATENT-3,508,940
N71-15962*	c 14	NASA-CASE-XGS-01587	N71-16075*	c 15	NASA-CASE-XLA-00284	N71-16210*	c 18	NASA-CASE-XNP-08837
		US-PATENT-APPL-SN-298799			US-PATENT-APPL-SN-240760			US-PATENT-APPL-SN-691736
		US-PATENT-CLASS-324-43			US-PATENT-CLASS-117-69			US-PATENT-CLASS-204-20
		US-PATENT-3,258,687			US-PATENT-3,264,135			US-PATENT-3,526,580
N71-15966*	c 15	NASA-CASE-XLE-00953	N71-16076*	c 15	NASA-CASE-XLE-00106	N71-16212*	c 23	NASA-CASE-NPO-10250
		US-PATENT-APPL-SN-336320			US-PATENT-APPL-SN-629759			US-PATENT-APPL-SN-736848
		US-PATENT-CLASS-22-200			US-PATENT-CLASS-25-156			US-PATENT-CLASS-149-1
		US-PATENT-3,237,253			US-PATENT-2,944,316			US-PATENT-3,516,879
N71-15967*	c 15	NASA-CASE-XLE-00703	N71-16077*	c 15	NASA-CASE-XLA-00302	N71-16213*	c 24	NASA-CASE-XGS-06628
		US-PATENT-APPL-SN-271822			US-PATENT-APPL-SN-284266			US-PATENT-APPL-SN-665680
		US-PATENT-CLASS-137-13			US-PATENT-CLASS-117-46			US-PATENT-CLASS-315-111
		US-PATENT-3,270,756			US-PATENT-3,271,181			US-PATENT-3,509,419
N71-15968*	c 15	NASA-CASE-XLE-00586	N71-16078*	c 15	NASA-CASE-XGS-00824	N71-16221*	c 31	NASA-CASE-XLA-05906
		US-PATENT-APPL-SN-317391			US-PATENT-APPL-SN-379072			US-PATENT-APPL-SN-777766
		US-PATENT-CLASS-55-160			US-PATENT-CLASS-89-1			US-PATENT-CLASS-73-432
		US-PATENT-3,257,780			US-PATENT-3,309,961			US-PATENT-3,526,139
N71-15969*	c 14	NASA-CASE-XMF-01099	N71-16079*	c 15	NASA-CASE-XLA-00415	N71-16222*	c 31	NASA-CASE-MFS-11133
		US-PATENT-APPL-SN-73367			US-PATENT-APPL-SN-314074			US-PATENT-APPL-SN-693419
		US-PATENT-CLASS-73-517			US-PATENT-CLASS-233-11			US-PATENT-CLASS-244-1
		US-PATENT-3,261,210			US-PATENT-3,276,679			US-PATENT-3,508,723
N71-15974*	c 32	NASA-CASE-XMS-06782	N71-16080*	c 31	NASA-CASE-MS-12049	N71-16223*	c 27	NASA-CASE-MFS-12750
		US-PATENT-APPL-SN-691739			US-PATENT-APPL-SN-693420			US-PATENT-APPL-SN-806149
		US-PATENT-CLASS-338-5			US-PATENT-CLASS-52-3			US-PATENT-CLASS-73-432
		US-PATENT-3,464,049			US-PATENT-3,465,482			US-PATENT-3,526,140
N71-15978*	c 23	NASA-CASE-XGS-00373	N71-16081*	c 31	NASA-CASE-XGS-03351	N71-16224*	c 28	NASA-CASE-MFS-11497
		US-PATENT-APPL-SN-105518			US-PATENT-APPL-SN-472747			US-PATENT-APPL-SN-730793
		US-PATENT-CLASS-161-189			US-PATENT-CLASS-244-31			US-PATENT-CLASS-239-265.43
		US-PATENT-3,276,946			US-PATENT-3,276,726			US-PATENT-3,526,365
N71-15986*	c 15	NASA-CASE-XMF-03498	N71-16085*	c 31	NASA-CASE-XLA-09881	N71-16277*	c 33	NASA-CASE-XMS-04268
		US-PATENT-APPL-SN-396443			US-PATENT-APPL-SN-710562			US-PATENT-APPL-SN-518160
		US-PATENT-CLASS-29-155.55			US-PATENT-CLASS-244-138			US-PATENT-CLASS-165-133
		US-PATENT-3,258,831			US-PATENT-3,520,503			US-PATENT-3,502,141
N71-15990*	c 30	NASA-CASE-XAC-08494	N71-16086*	c 09	NASA-CASE-XLE-02038	N71-16278*	c 33	NASA-CASE-XMF-04237
		US-PATENT-APPL-SN-690998			US-PATENT-APPL-SN-349782			US-PATENT-APPL-SN-539237
		US-PATENT-CLASS-356-74			US-PATENT-CLASS-73-147			US-PATENT-CLASS-219-364
		US-PATENT-3,532,428			US-PATENT-3,273,388			US-PATENT-3,517,162
N71-15992*	c 14	NASA-CASE-XGS-01052	N71-16087*	c 02	NASA-CASE-XAC-02058	N71-16281*	c 20	NASA-CASE-XLA-02081
		US-PATENT-APPL-SN-314572			US-PATENT-APPL-SN-342572			US-PATENT-APPL-SN-522795
		US-PATENT-CLASS-73-15			US-PATENT-CLASS-244-1			US-PATENT-CLASS-73-189
		US-PATENT-3,242,716			US-PATENT-3,276,722			US-PATENT-3,507,150
N71-16014*	c 14	NASA-CASE-XLE-00820	N71-16088*	c 07	NASA-CASE-XGS-01022	N71-16340*	c 20	NASA-CASE-XMF-14032
		US-PATENT-APPL-SN-228569			US-PATENT-APPL-SN-331323			US-PATENT-APPL-SN-679862
		US-PATENT-CLASS-324-32			US-PATENT-CLASS-325-4			US-PATENT-CLASS-250-209
		US-PATENT-3,283,241			US-PATENT-3,277,373			US-PATENT-3,501,641
N71-16025*	c 17	NASA-CASE-XLE-02991	N71-16089*	c 09	NASA-CASE-XAC-02405	N71-16341*	c 23	NASA-CASE-XGS-05291
		US-PATENT-APPL-SN-375401			US-PATENT-APPL-SN-433821			US-PATENT-APPL-SN-553891
		US-PATENT-CLASS-75-170			US-PATENT-CLASS-200-6			US-PATENT-CLASS-356-209
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			US-PATENT-CLASS-331-94.5		N72-27102*	c 05		US-PATENT-APPL-SN-3151				US-PATENT-CLASS-178-DIG.20	
			US-PATENT-CLASS-332-7.51					US-PATENT-CLASS-210-103				US-PATENT-CLASS-178-6.5	
			US-PATENT-3,659,225					US-PATENT-CLASS-210-104				US-PATENT-CLASS-350-138	
N72-25539*	c 18	.....	NASA-CASE-LEW-10424-2-2					US-PATENT-CLASS-210-110				US-PATENT-3,670,097	
			US-PATENT-APPL-SN-15222					US-PATENT-CLASS-210-137	N72-27784*	c 26	.....	NASA-CASE-LAR-10836-1	
			US-PATENT-CLASS-75-DIG.1					US-PATENT-3,670,890				US-PATENT-APPL-SN-138227	
			US-PATENT-CLASS-75-208					NASA-CASE-MS-13648				US-PATENT-CLASS-350-161	
			US-PATENT-CLASS-75-211		N72-27103*	c 05	.....	US-PATENT-APPL-SN-87222				US-PATENT-3,671,105	
			US-PATENT-CLASS-75-226					US-PATENT-CLASS-128-DIG.4				NASA-CASE-LAR-10800-1	
			US-PATENT-3,653,882					US-PATENT-CLASS-128-2.1E	N72-27959*	c 33	.....	US-PATENT-APPL-SN-154094	
N72-25540*	c 18	.....	NASA-CASE-ERC-10364					US-PATENT-CLASS-128-417				US-PATENT-CLASS-73-35	
			US-PATENT-APPL-SN-55537					US-PATENT-3,669,110				US-PATENT-3,670,559	
			US-PATENT-CLASS-161-127		N72-27144*	c 06	.....	NASA-CASE-NPO-10768-2	N72-28025*	c 03	.....	NASA-CASE-NPO-10633	
			US-PATENT-CLASS-161-68					US-PATENT-APPL-SN-770398				US-PATENT-APPL-SN-885521	
			US-PATENT-CLASS-161-7					US-PATENT-APPL-SN-99524				US-PATENT-CLASS-165-20	
			US-PATENT-CLASS-52-DIG.10					US-PATENT-CLASS-260-535H				US-PATENT-CLASS-165-3	
			US-PATENT-CLASS-52-80					US-PATENT-CLASS-260-77.5AP				US-PATENT-CLASS-62-93	
			US-PATENT-3,663,347					US-PATENT-3,671,497				US-PATENT-3,675,712	
N72-25541*	c 18	.....	NASA-CASE-ERC-10363		N72-27151* #	c 06	.....	NASA-CASE-NPO-10767-2	N72-28225*	c 09	.....	NASA-CASE-MFS-20757	
			US-PATENT-APPL-SN-57253					US-PATENT-APPL-SN-241061				US-PATENT-APPL-SN-136006	
			US-PATENT-CLASS-161-127					NASA-CASE-LEW-10330-1				US-PATENT-CLASS-339-176MF	
			US-PATENT-CLASS-161-68		N72-27226*	c 09	.....	US-PATENT-APPL-SN-110402				US-PATENT-CLASS-339-218M	
			US-PATENT-CLASS-161-7					US-PATENT-CLASS-336-198				US-PATENT-CLASS-339-75MP	
			US-PATENT-CLASS-52-DIG.10					US-PATENT-CLASS-336-220				US-PATENT-CLASS-339-94M	
			US-PATENT-CLASS-52-80					US-PATENT-3,648,209				US-PATENT-3,670,290	
			US-PATENT-3,663,346					NASA-CASE-KSC-10644	N72-28240*	c 10	.....	NASA-CASE-ARC-10265-1	
N72-25595*	c 21	.....	NASA-CASE-MS-13397-1		N72-27227*	c 09	.....	US-PATENT-APPL-SN-114849				US-PATENT-APPL-SN-84709	
			US-PATENT-APPL-SN-59966					US-PATENT-CLASS-307-118				US-PATENT-CLASS-324-41	
			US-PATENT-CLASS-244-15A					US-PATENT-CLASS-307-92				US-PATENT-CLASS-340-258	
			US-PATENT-CLASS-244-23A					US-PATENT-CLASS-340-240				US-PATENT-3,676,772	
			US-PATENT-3,662,973					US-PATENT-3,673,424	N72-28241*	c 10	.....	NASA-CASE-GSC-10786-1	
N72-25619*	c 23	.....	NASA-CASE-NPO-10634		N72-27228*	c 09	.....	NASA-CASE-NPO-10542				US-PATENT-APPL-SN-773072	
			US-PATENT-APPL-SN-112999					US-PATENT-APPL-SN-767741				US-PATENT-CLASS-330-29	
			US-PATENT-CLASS-62-475					US-PATENT-CLASS-310-4				US-PATENT-3,533,006	
			US-PATENT-CLASS-62-6					US-PATENT-3,673,440	N72-28436*	c 14	.....	NASA-CASE-XLA-06683	
			US-PATENT-CLASS-62-80					NASA-CASE-ERC-10015-2				US-PATENT-APPL-SN-10827	
			US-PATENT-CLASS-62-85		N72-27246*	c 10	.....	US-PATENT-APPL-SN-763744				US-PATENT-CLASS-33-15A	
			US-PATENT-3,656,313					US-PATENT-APPL-SN-97343				US-PATENT-CLASS-33-75R	
N72-25679*	c 26	.....	NASA-CASE-XER-07895					US-PATENT-CLASS-313-309				US-PATENT-3,675,332	
			US-PATENT-APPL-SN-651627					US-PATENT-CLASS-313-336	N72-28437*	c 14	.....	NASA-CASE-ERC-10081	
			US-PATENT-CLASS-317-234J					US-PATENT-CLASS-313-351				US-PATENT-APPL-SN-877990	
			US-PATENT-CLASS-317-235A					US-PATENT-CLASS-315-36				US-PATENT-CLASS-325-363	
			US-PATENT-CLASS-317-235AJ					US-PATENT-3,671,798				US-PATENT-CLASS-343-100ME	
			US-PATENT-CLASS-317-235R					NASA-CASE-MFS-20620	N72-27262*	c 11	.....	US-PATENT-CLASS-343-112D	
			US-PATENT-CLASS-331-107G					US-PATENT-APPL-SN-154935				US-PATENT-CLASS-73-355	
			US-PATENT-3,667,010					US-PATENT-CLASS-73-117.1				US-PATENT-3,665,467	
N72-25680*	c 26	.....	NASA-CASE-ERC-10275					US-PATENT-CLASS-73-432SD	N72-28438*	c 14	.....	NASA-CASE-XLA-04980-2	
			US-PATENT-APPL-SN-47061					US-PATENT-3,670,564				US-PATENT-APPL-SN-577548	
			US-PATENT-CLASS-324-92					NASA-CASE-NPO-11147				US-PATENT-APPL-SN-763040	
			US-PATENT-CLASS-324-96		N72-27408*	c 14	.....	US-PATENT-APPL-SN-63195				US-PATENT-CLASS-148-187	
			US-PATENT-CLASS-340-324R					US-PATENT-CLASS-324-79R				US-PATENT-3,549,435	
			US-PATENT-CLASS-350-150					US-PATENT-CLASS-328-189	N72-28495*	c 15	.....	NASA-CASE-MFS-14405	
			US-PATENT-CLASS-350-160R					US-PATENT-CLASS-331-44				US-PATENT-APPL-SN-73283	
			US-PATENT-3,667,039					US-PATENT-3,670,241				US-PATENT-CLASS-214-1CM	
N72-25699*	c 27	.....	NASA-CASE-NPO-12000					NASA-CASE-NPO-11201				US-PATENT-CLASS-74-469	
			US-PATENT-APPL-SN-74861		N72-27409*	c 14	.....	US-PATENT-APPL-SN-77220				US-PATENT-3,631,737	
			US-PATENT-CLASS-149-19					US-PATENT-CLASS-250-203R				NASA-CASE-MFS-20433	
			US-PATENT-CLASS-149-20					US-PATENT-CLASS-250-225	N72-28496*	c 15	.....	US-PATENT-APPL-SN-114847	
			US-PATENT-CLASS-149-36					US-PATENT-CLASS-350-147				US-PATENT-CLASS-52-1	
			US-PATENT-CLASS-149-92					US-PATENT-CLASS-356-141				US-PATENT-CLASS-52-573	
			US-PATENT-3,658,808					US-PATENT-CLASS-356-152				US-PATENT-3,675,376	
N72-25842*	c 31	.....	NASA-CASE-MS-12372-1					US-PATENT-3,670,168	N72-28521*	c 16	.....	NASA-CASE-NPO-11437	
			US-PATENT-APPL-SN-64391					NASA-CASE-XLE-05230				US-PATENT-APPL-SN-63144	
			US-PATENT-CLASS-95-12.5					US-PATENT-APPL-SN-87717				US-PATENT-CLASS-330-4	
			US-PATENT-3,662,661		N72-27410*	c 14	.....	US-PATENT-CLASS-136-233				US-PATENT-CLASS-331-94	
N72-25877*	c 32	.....	NASA-CASE-LAR-10270-1					US-PATENT-3,671,329				US-PATENT-3,676,787	
			US-PATENT-APPL-SN-60881					NASA-CASE-MS-12293-1	N72-28535*	c 17	.....	NASA-CASE-XLE-06461-2	
			US-PATENT-CLASS-73-100					US-PATENT-APPL-SN-59956				US-PATENT-APPL-SN-156778	
			US-PATENT-CLASS-73-15.6					US-PATENT-CLASS-250-205				US-PATENT-APPL-SN-853855	
			US-PATENT-3,665,751					US-PATENT-CLASS-315-151				US-PATENT-CLASS-266-24	
N72-25911*	c 33	.....	NASA-CASE-LEW-10359					US-PATENT-CLASS-315-156				US-PATENT-3,675,910	
			US-PATENT-APPL-SN-47063					US-PATENT-CLASS-315-158	N72-28536*	c 17	.....	NASA-CASE-XLE-03940-2	
			US-PATENT-CLASS-102-105					US-PATENT-CLASS-315-297				US-PATENT-APPL-SN-539255	
			US-PATENT-CLASS-60-200A					US-PATENT-CLASS-315-307				US-PATENT-APPL-SN-793657	
			US-PATENT-CLASS-60-265					US-PATENT-CLASS-315-310				US-PATENT-CLASS-29-182.5	
			US-PATENT-CLASS-60-267					US-PATENT-CLASS-315-311				US-PATENT-3,676,084	
			US-PATENT-CLASS-62-467					US-PATENT-3,670,202	N72-28761*	c 26	.....	NASA-CASE-NPO-11775	
			US-PATENT-3,656,317					NASA-CASE-MFS-20523				US-PATENT-APPL-SN-162230	
N72-25913*	c 33	.....	NASA-CASE-XMS-09690		N72-27412*	c 14	.....	US-PATENT-APPL-SN-77786				US-PATENT-CLASS-29-570	
			US-PATENT-APPL-SN-853641					US-PATENT-CLASS-73-103				US-PATENT-CLASS-317-230	
			US-PATENT-CLASS-73-15R					US-PATENT-CLASS-73-71.6				US-PATENT-CLASS-317-261	
			US-PATENT-3,665,750					US-PATENT-3,670,563				US-PATENT-3,676,754	
N72-26031*	c 03	.....	NASA-CASE-NPO-10753					NASA-CASE-NPO-10721	N72-28762*	c 26	.....	NASA-CASE-LAR-10294-1	
			US-PATENT-APPL-SN-844355		N72-27484*	c 15	.....	US-PATENT-APPL-SN-59968				US-PATENT-APPL-SN-796685	
			US-PATENT-CLASS-136-202					US-PATENT-CLASS-248-188.4				US-PATENT-CLASS-106-39	
			US-PATENT-3,666,566										

		US-PATENT-CLASS-106-46			US-PATENT-APPL-SN-103077	N73-12264*	c 11	NASA-CASE-LAR-10348-1
		US-PATENT-CLASS-117-212			US-PATENT-CLASS-313-231			US-PATENT-APPL-SN-70032
		US-PATENT-CLASS-117-217			US-PATENT-CLASS-315-111			US-PATENT-CLASS-73-141
		US-PATENT-CLASS-29-25.42			US-PATENT-3,693,002			US-PATENT-3,695,101
N72-29172*	c 09	US-PATENT-3,649,353	N72-33072*	c 04	NASA-CASE-ERC-10338	N73-12265*	c 11	NASA-CASE-NPO-10890
		NASA-CASE-LAR-10511-1			US-PATENT-APPL-SN-50339			US-PATENT-APPL-SN-89903
		US-PATENT-APPL-SN-41345			US-PATENT-CLASS-23-109			US-PATENT-CLASS-137-559
		US-PATENT-CLASS-333-24R			US-PATENT-3,679,360			US-PATENT-CLASS-219-203
		US-PATENT-CLASS-333-98P	N72-33096*	c 05	NASA-CASE-MSC-13540-1			US-PATENT-CLASS-219-522
		US-PATENT-CLASS-333-98R			US-PATENT-APPL-SN-68023			US-PATENT-CLASS-52-171
		US-PATENT-3,676,809			US-PATENT-CLASS-99-80PS			US-PATENT-3,696,833
N72-29464*	c 14	NASA-CASE-ARC-10017-1	N72-33146*	c 07	US-PATENT-3,692,533	N73-12444*	c 14	NASA-CASE-GSC-10903-1
		US-PATENT-APPL-SN-55536			NASA-CASE-MSC-12259-2			US-PATENT-APPL-SN-114846
		US-PATENT-CLASS-250-41.9D			US-PATENT-APPL-SN-61895			US-PATENT-CLASS-250-41.9G
		US-PATENT-CLASS-250-71.5R			US-PATENT-APPL-SN-853763			US-PATENT-CLASS-250-41.9S
		US-PATENT-CLASS-313-356			US-PATENT-CLASS-325-373			US-PATENT-CLASS-73-421.5
		US-PATENT-3,676,674			US-PATENT-3,694,753			US-PATENT-3,700,893
N72-29488*	c 15	NASA-CASE-XLE-10326-2	N72-33172*	c 08	NASA-CASE-NPO-11630	N73-12445*	c 14	NASA-CASE-LAR-10728-1
		US-PATENT-APPL-SN-54540			US-PATENT-APPL-SN-143078			US-PATENT-APPL-SN-112998
		US-PATENT-APPL-SN-723465			US-PATENT-CLASS-179-15.55R			US-PATENT-CLASS-250-83.3H
		US-PATENT-CLASS-277-25			US-PATENT-3,694,581			US-PATENT-CLASS-250-83.3R
		US-PATENT-CLASS-277-27	N72-33204*	c 09	NASA-CASE-NPO-11129			US-PATENT-CLASS-250-83R
		US-PATENT-CLASS-277-74			US-PATENT-APPL-SN-883523			US-PATENT-3,700,897
		US-PATENT-3,675,935			US-PATENT-CLASS-307-262	N73-12446*	c 14	NASA-CASE-NPO-11239
N72-31140*	c 06	NASA-CASE-MSC-13335-1			US-PATENT-CLASS-307-295			US-PATENT-APPL-SN-89211
		US-PATENT-APPL-SN-55806			US-PATENT-CLASS-328-155			US-PATENT-CLASS-356-106
		US-PATENT-CLASS-55-16			US-PATENT-CLASS-328-24			US-PATENT-CLASS-356-114
		US-PATENT-CLASS-55-55			US-PATENT-3,621,406			US-PATENT-3,700,334
		US-PATENT-3,678,654	N72-33205*	c 09	NASA-CASE-GSC-10835-1	N73-12447*	c 14	NASA-CASE-NPO-11493
N72-31141*	c 06	NASA-CASE-ARC-10308-1			US-PATENT-APPL-SN-116778			US-PATENT-APPL-SN-151413
		US-PATENT-APPL-SN-134568			US-PATENT-CLASS-317-101A			US-PATENT-CLASS-136-224
		US-PATENT-CLASS-250-43.5R			US-PATENT-CLASS-317-235			US-PATENT-3,700,503
		US-PATENT-CLASS-356-51			US-PATENT-CLASS-317-235A	N73-12486*	c 15	NASA-CASE-KSC-10615
		US-PATENT-3,679,899			US-PATENT-CLASS-317-235AJ			US-PATENT-APPL-SN-103078
N72-31226*	c 08	NASA-CASE-NPO-11016			US-PATENT-3,694,700			US-PATENT-CLASS-244-15B
		US-PATENT-APPL-SN-889584	N72-33230*	c 10	NASA-CASE-GSC-11340-1			US-PATENT-CLASS-244-135
		US-PATENT-CLASS-235-150.1			US-PATENT-APPL-SN-107379			US-PATENT-CLASS-62-45
		US-PATENT-CLASS-235-151.1			US-PATENT-CLASS-330-12			US-PATENT-CLASS-62-7
		US-PATENT-CLASS-235-92MT			US-PATENT-CLASS-331-115			US-PATENT-3,697,021
		US-PATENT-CLASS-323-19			US-PATENT-CLASS-331-116R	N73-12487*	c 15	NASA-CASE-FRC-10019
		US-PATENT-CLASS-340-347AD			US-PATENT-CLASS-333-80T			US-PATENT-APPL-SN-880398
		US-PATENT-3,681,581			US-PATENT-3,693,105			US-PATENT-CLASS-204-192
N72-31235*	c 09	NASA-CASE-ERC-10214	N72-33377*	c 14	NASA-CASE-MFS-20760			US-PATENT-3,700,575
		US-PATENT-APPL-SN-863914			US-PATENT-APPL-SN-99174	N73-12488*	c 15	NASA-CASE-ARC-10345-1
		US-PATENT-CLASS-343-770			US-PATENT-CLASS-73-141AB			US-PATENT-APPL-SN-193671
		US-PATENT-CLASS-343-771			US-PATENT-CLASS-73-85			US-PATENT-CLASS-287-85R
		US-PATENT-CLASS-343-786			US-PATENT-3,693,418			US-PATENT-CLASS-308-2A
		US-PATENT-CLASS-343-797	N72-33476*	c 15	NASA-CASE-XGS-07805			US-PATENT-CLASS-74-5F
		US-PATENT-CLASS-343-853			US-PATENT-APPL-SN-104884			US-PATENT-3,700,291
		US-PATENT-3,680,142			US-PATENT-CLASS-308-10	N73-12489*	c 15	NASA-CASE-MSC-12357
N72-31273*	c 10	NASA-CASE-KSC-10647-1			US-PATENT-3,694,041			US-PATENT-APPL-SN-662763
		US-PATENT-APPL-SN-774691	N72-33477*	c 15	NASA-CASE-NPO-11340			US-PATENT-CLASS-264-102
		US-PATENT-CLASS-178-7.5E			US-PATENT-APPL-SN-147997			US-PATENT-CLASS-264-28
		US-PATENT-CLASS-315-22R			US-PATENT-CLASS-137-13			US-PATENT-CLASS-264-36
		US-PATENT-CLASS-315-30R			US-PATENT-CLASS-137-81.5			US-PATENT-CLASS-264-40
		US-PATENT-CLASS-330-27R			US-PATENT-CLASS-60-1			US-PATENT-3,697,630
		US-PATENT-3,678,191			US-PATENT-CLASS-60-36	N73-12492* #	c 15	NASA-CASE-XLA-08914
N72-31446*	c 14	NASA-CASE-ERC-10087-2			US-PATENT-3,693,346			US-PATENT-APPL-SN-810576
		US-PATENT-APPL-SN-738315	N72-33681*	c 24	NASA-CASE-LEW-10518-1	N73-12495* #	c 15	NASA-CASE-NPO-13086-1
		US-PATENT-APPL-SN-91642			US-PATENT-APPL-SN-863280			US-PATENT-APPL-SN-292477
		US-PATENT-CLASS-29-588			US-PATENT-CLASS-176-11	N73-12547*	c 17	NASA-CASE-LAR-10539-1
		US-PATENT-CLASS-317-234D			US-PATENT-3,694,313			US-PATENT-APPL-SN-136085
		US-PATENT-CLASS-317-234G	N72-33696*	c 25	NASA-CASE-GSC-11291-1			US-PATENT-CLASS-23-230R
		US-PATENT-CLASS-317-235M			US-PATENT-APPL-SN-102412			US-PATENT-3,701,631
		US-PATENT-CLASS-317-235R			US-PATENT-CLASS-250-83.6R	N73-12604*	c 18	NASA-CASE-MFS-20408
		US-PATENT-3,686,542			US-PATENT-3,694,655			US-PATENT-APPL-SN-71048
N72-31483*	c 15	NASA-CASE-LAR-10061-1	N73-12175*	c 08	NASA-CASE-NPO-11406			US-PATENT-CLASS-161-93
		US-PATENT-APPL-SN-104047			US-PATENT-APPL-SN-95183			US-PATENT-3,700,538
		US-PATENT-CLASS-251-331			US-PATENT-CLASS-235-152	N73-12884*	c 30	NASA-CASE-MSC-12391
		US-PATENT-CLASS-251-86			US-PATENT-CLASS-331-78			US-PATENT-APPL-SN-106465
		US-PATENT-3,680,830			US-PATENT-CLASS-340-146.1AL			US-PATENT-CLASS-244-155
N72-31637*	c 21	NASA-CASE-GSC-10945-1			US-PATENT-3,700,869			US-PATENT-3,700,193
		US-PATENT-APPL-SN-75431	N73-12176*	c 08	NASA-CASE-KSC-10595	N73-13008*	c 02	NASA-CASE-GSC-11077-1
		US-PATENT-CLASS-60-23			US-PATENT-APPL-SN-98772			US-PATENT-APPL-SN-127618
		US-PATENT-CLASS-60-26			US-PATENT-CLASS-235-155			US-PATENT-CLASS-244-32
		US-PATENT-3,678,685			US-PATENT-CLASS-340-347DD			US-PATENT-3,698,667
N72-32169*	c 07	NASA-CASE-NPO-11361			US-PATENT-3,697,733	N73-13114*	c 05	NASA-CASE-MSC-13604-1
		US-PATENT-APPL-SN-112988	N73-12177*	c 08	NASA-CASE-NPO-11371			US-PATENT-APPL-SN-78717
		US-PATENT-CLASS-343-781			US-PATENT-APPL-SN-117575			US-PATENT-CLASS-128-2N
		US-PATENT-CLASS-343-837			US-PATENT-CLASS-340-146.1AQ			US-PATENT-CLASS-273-1E
		US-PATENT-CLASS-343-840			US-PATENT-CLASS-340-146.1AV			US-PATENT-CLASS-35-22R
		US-PATENT-CLASS-343-915			US-PATENT-3,697,950			US-PATENT-3,698,385
		US-PATENT-3,680,144	N73-12211*	c 09	NASA-CASE-ERC-10412-1	N73-13128*	c 06	NASA-CASE-GSC-11214-1
N72-32452*	c 14	NASA-CASE-MFS-15162			US-PATENT-APPL-SN-72024			US-PATENT-APPL-SN-115134
		US-PATENT-APPL-SN-100639			US-PATENT-CLASS-343-11R			US-PATENT-CLASS-117-35R
		US-PATENT-CLASS-350-79			US-PATENT-CLASS-343-11VB			US-PATENT-3,702,775
		US-PATENT-CLASS-356-241			US-PATENT-CLASS-343-5DP	N73-13129*	c 06	NASA-CASE-XNP-08124-2
		US-PATENT-3,694,094			US-PATENT-3,696,418			US-PATENT-APPL-SN-97829
N72-32487*	c 15	NASA-CASE-LAR-10541-1	N73-12214* #	c 09	NASA-CASE-NPO-13091-1			US-PATENT-CLASS-75-66
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		US-PATENT-CLASS-219-62			US-PATENT-CLASS-324-29.5			US-PATENT-CLASS-350-55
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US-PATENT-CLASS-29-497.5			US-PATENT-CLASS-324-62R	N73-30829*	c 31	NASA-CASE-GSC-11018-1		
US-PATENT-3,745,300			US-PATENT-CLASS-324-95			US-PATENT-APPL-SN-244523		
N73-28516*	c 15	NASA-CASE-XNP-01187			US-PATENT-3,750,016		US-PATENT-CLASS-165-105	
		US-PATENT-APPL-SN-155598			NASA-CASE-MFS-20546-2			US-PATENT-CLASS-165-32
		US-PATENT-CLASS-317-158			US-PATENT-APPL-SN-11220			US-PATENT-CLASS-165-47
		US-PATENT-3,244,943			US-PATENT-APPL-SN-51317			US-PATENT-CLASS-165-96

		US-PATENT-CLASS-244-1SS				US-PATENT-CLASS-117-66
		US-PATENT-3,749,156				US-PATENT-CLASS-29-527.2
N73-31988*	c 03	NASA-CASE-MSC-12396-1	N73-32144*	c 10	NASA-CASE-NPO-11703-1	US-PATENT-CLASS-72-53
		US-PATENT-APPL-SN-258331			US-PATENT-APPL-SN-223560	US-PATENT-3,754,976
		US-PATENT-CLASS-307-18			US-PATENT-CLASS-340-166	NASA-CASE-XNP-01188
		US-PATENT-CLASS-307-28			US-PATENT-CLASS-340-173	US-PATENT-APPL-SN-155596
		US-PATENT-CLASS-307-29			US-PATENT-CLASS-340-223	US-PATENT-CLASS-317-158
		US-PATENT-CLASS-307-38			US-PATENT-CLASS-340-415	US-PATENT-3,262,025
		US-PATENT-3,755,686			US-PATENT-3,760,394	NASA-CASE-XNP-07169
N73-32011*	c 05	NASA-CASE-GSC-11169-2	N73-32145*	c 10	NASA-CASE-MFS-21465-1	US-PATENT-APPL-SN-486884
		US-PATENT-APPL-SN-139094			US-PATENT-APPL-SN-218965	US-PATENT-CLASS-175-26
		US-PATENT-APPL-SN-60882			US-PATENT-CLASS-307-271	US-PATENT-3,375,885
		US-PATENT-CLASS-195-127			US-PATENT-CLASS-318-230	NASA-CASE-GSC-11222-1
		US-PATENT-3,756,920			US-PATENT-CLASS-318-231	US-PATENT-APPL-SN-251621
N73-32012*	c 05	NASA-CASE-MSC-12609-1			US-PATENT-CLASS-318-341	US-PATENT-CLASS-307-157
		US-PATENT-APPL-SN-750031			US-PATENT-CLASS-331-135	US-PATENT-CLASS-315-DIG.2
		US-PATENT-CLASS-128-1A			US-PATENT-3,760,248	US-PATENT-CLASS-315-101
		US-PATENT-CLASS-2-2.1A			NASA-CASE-MSC-13789-1	US-PATENT-CLASS-315-258
		US-PATENT-CLASS-2-81	N73-32152*	c 11	US-PATENT-APPL-SN-166487	US-PATENT-CLASS-315-356
		US-PATENT-3,751,727			US-PATENT-CLASS-102-95	US-PATENT-CLASS-330-4.3
N73-32013*	c 05	NASA-CASE-MFS-16570-1			US-PATENT-CLASS-188-1C	US-PATENT-CLASS-331-94.5
		US-PATENT-APPL-SN-228150			US-PATENT-CLASS-89-8	US-PATENT-3,758,877
		US-PATENT-CLASS-3-1.1			US-PATENT-3,763,740	NASA-CASE-LEW-11267-1
		US-PATENT-CLASS-3-12	N73-32317*	c 14	NASA-CASE-NPO-12128-1	US-PATENT-APPL-SN-190316
		US-PATENT-CLASS-3-2			US-PATENT-APPL-SN-841845	US-PATENT-CLASS-29-196.2
		US-PATENT-CLASS-3-6			US-PATENT-CLASS-250-207	US-PATENT-CLASS-29-196.6
		US-PATENT-3,751,733			US-PATENT-CLASS-250-83.3R	US-PATENT-CLASS-29-197
N73-32014*	c 05	NASA-CASE-MSC-11561-1			US-PATENT-CLASS-313-104	US-PATENT-3,762,884
		US-PATENT-APPL-SN-146940	N73-32318*	c 14	US-PATENT-3,758,781	NASA-CASE-LEW-10436-1
		US-PATENT-CLASS-137-535			NASA-CASE-KSC-10730-1	US-PATENT-APPL-SN-221093
		US-PATENT-CLASS-272-DIG.1			US-PATENT-APPL-SN-248469	US-PATENT-CLASS-73-170
		US-PATENT-CLASS-272-DIG.4			US-PATENT-CLASS-324-72	US-PATENT-CLASS-75-171
		US-PATENT-CLASS-272-DIG.5			US-PATENT-3,760,268	US-PATENT-3,762,918
		US-PATENT-CLASS-272-79C	N73-32319*	c 14	NASA-CASE-KSC-10728-1	NASA-CASE-MFS-20861-1
		US-PATENT-CLASS-91-186			US-PATENT-APPL-SN-292682	US-PATENT-APPL-SN-160860
		US-PATENT-3,758,112			US-PATENT-CLASS-95-11	US-PATENT-CLASS-75-135
N73-32015*	c 05	NASA-CASE-MSC-13436-1			US-PATENT-CLASS-95-11.5	US-PATENT-3,752,665
		US-PATENT-APPL-SN-173190			US-PATENT-3,759,152	NASA-CASE-XLE-00209
		US-PATENT-CLASS-128-2.07	N73-32320*	c 14	NASA-CASE-GSC-11188-1	US-PATENT-APPL-SN-60276
		US-PATENT-CLASS-128-2.08			US-PATENT-APPL-SN-244440	US-PATENT-CLASS-176-169
		US-PATENT-CLASS-73-194E			US-PATENT-APPL-SN-80029	US-PATENT-3,759,787
		US-PATENT-CLASS-73-194M			US-PATENT-CLASS-29-195Y	NASA-CASE-LEW-11015
		US-PATENT-3,759,249			US-PATENT-3,759,672	US-PATENT-APPL-SN-235266
N73-32029*	c 06	NASA-CASE-NPO-10998-1	N73-32321*	c 14	NASA-CASE-XNP-05530	US-PATENT-CLASS-174-DIG.6
		NASA-CASE-NPO-10999-1			NASA-CASE-XNP-06933	US-PATENT-CLASS-174-126CP
		US-PATENT-APPL-SN-145027			US-PATENT-APPL-SN-488381	US-PATENT-CLASS-29-599
		US-PATENT-CLASS-252-431N			US-PATENT-CLASS-73-81	US-PATENT-CLASS-335-216
		US-PATENT-CLASS-252-431R			US-PATENT-3,379,052	US-PATENT-3,763,552
		US-PATENT-CLASS-260-47UP	N73-32322*	c 14	NASA-CASE-LAR-10319-1	NASA-CASE-NPO-12070-1
		US-PATENT-CLASS-260-567.6M			US-PATENT-APPL-SN-197870	US-PATENT-APPL-SN-153542
		US-PATENT-CLASS-260-93.5A			US-PATENT-CLASS-346-110	US-PATENT-CLASS-165-105
		US-PATENT-CLASS-260-93.5S			US-PATENT-CLASS-95-42	US-PATENT-CLASS-165-141
		US-PATENT-CLASS-260-94.2M			US-PATENT-3,757,659	US-PATENT-CLASS-165-185
		US-PATENT-CLASS-260-94.2R	N73-32323*	c 14	NASA-CASE-LAR-10440-1	US-PATENT-CLASS-239-127.1
		US-PATENT-CLASS-260-94.7R			US-PATENT-APPL-SN-229413	US-PATENT-CLASS-60-267
		US-PATENT-3,755,283			US-PATENT-CLASS-73-103	US-PATENT-3,759,443
N73-32030*	c 06	NASA-CASE-MFS-20979-2			US-PATENT-CLASS-73-94	NASA-CASE-ERC-10365-1
		US-PATENT-APPL-SN-100774			US-PATENT-3,757,568	US-PATENT-APPL-SN-99198
		US-PATENT-APPL-SN-219590			NASA-CASE-LAR-02743	US-PATENT-CLASS-287-92
		US-PATENT-CLASS-260-448.2D	N73-32324*	c 14	US-PATENT-APPL-SN-404212	US-PATENT-CLASS-52-109
		US-PATENT-3,763,204			US-PATENT-CLASS-313-7	US-PATENT-CLASS-52-64
N73-32081*	c 08	NASA-CASE-MSC-12458-1			US-PATENT-3,310,699	US-PATENT-CLASS-52-646
		US-PATENT-APPL-SN-188927			NASA-CASE-XNP-04231	US-PATENT-CLASS-52-80
		US-PATENT-CLASS-235-152IE	N73-32325*	c 14	US-PATENT-APPL-SN-362261	US-PATENT-3,757,476
		US-PATENT-CLASS-340-347DA			US-PATENT-CLASS-250-41.9	NASA-CASE-LEW-11101-1
		US-PATENT-3,754,236			US-PATENT-3,334,225	US-PATENT-APPL-SN-175983
N73-32107*	c 09	NASA-CASE-MFS-20207-1			NASA-CASE-ARC-10362-1	US-PATENT-CLASS-244-1SC
		US-PATENT-APPL-SN-239574	N73-32326*	c 14	US-PATENT-APPL-SN-198289	US-PATENT-CLASS-244-1SS
		US-PATENT-CLASS-318-254			US-PATENT-CLASS-128-2.05F	US-PATENT-CLASS-47-1.4
		US-PATENT-CLASS-318-328			US-PATENT-CLASS-73-194EM	US-PATENT-CLASS-47-17
		US-PATENT-3,757,183			US-PATENT-3,751,980	US-PATENT-3,749,332
N73-32108*	c 09	NASA-CASE-GSC-11368-1	N73-32327*	c 14	NASA-CASE-LAR-10483-1	NASA-CASE-NPO-11942-1
		US-PATENT-APPL-SN-237029			US-PATENT-APPL-SN-184090	US-PATENT-APPL-SN-266866
		US-PATENT-CLASS-136-24			US-PATENT-CLASS-73-12	US-PATENT-CLASS-165-106
		US-PATENT-3,759,746			US-PATENT-CLASS-73-170R	US-PATENT-CLASS-165-32
N73-32109*	c 09	NASA-CASE-GSC-11394-1			US-PATENT-3,763,691	US-PATENT-CLASS-165-96
		US-PATENT-APPL-SN-292698			NASA-CASE-LEW-11388-1	US-PATENT-CLASS-244-1SS
		US-PATENT-CLASS-136-89	N73-32358*	c 15	US-PATENT-APPL-SN-289033	US-PATENT-3,763,928
		US-PATENT-CLASS-250-212			US-PATENT-CLASS-219-117	NASA-CASE-NPO-10767-1
		US-PATENT-CLASS-321-1.5			US-PATENT-CLASS-219-91	US-PATENT-APPL-SN-241061
		US-PATENT-3,760,257			US-PATENT-CLASS-29-497	US-PATENT-APPL-SN-770417
N73-32110*	c 09	NASA-CASE-KSC-10729-1			US-PATENT-3,758,741	US-PATENT-CLASS-260-77.5AP
		US-PATENT-APPL-SN-221714	N73-32359*	c 15	NASA-CASE-LEW-11152-1	US-PATENT-3,755,265
		US-PATENT-CLASS-343-112R			US-PATENT-APPL-SN-198379	NASA-CASE-ARC-10468-1
		US-PATENT-CLASS-343-113R			US-PATENT-CLASS-308-35	US-PATENT-APPL-SN-288857
		US-PATENT-3,754,263			US-PATENT-CLASS-308-9	US-PATENT-CLASS-355-18
N73-32111*	c 09	NASA-CASE-ARC-10463-1			US-PATENT-3,759,588	US-PATENT-CLASS-95-12
		US-PATENT-APPL-SN-241615	N73-32360*	c 15	NASA-CASE-GSC-11163-1	US-PATENT-3,764,209
		US-PATENT-CLASS-331-94.5			US-PATENT-APPL-SN-205047	NASA-CASE-LEW-11026-1
		US-PATENT-3,753,148			US-PATENT-CLASS-117-105	US-PATENT-APPL-SN-196970
N73-32112*	c 09	NASA-CASE-ARC-10330-1			US-PATENT-CLASS-117-105.5	US-PATENT-CLASS-29-487
		US-PATENT-APPL-SN-151412			US-PATENT-CLASS-117-130R	US-PATENT-CLASS-29-494
		US-PATENT-CLASS-317-235R			US-PATENT-CLASS-117-138.8R	US-PATENT-CLASS-29-497.5
		US-PATENT-CLASS-317-235WW			US-PATENT-CLASS-117-151	US-PATENT-CLASS-29-498
		US-PATENT-3,760,239			US-PATENT-CLASS-117-160R	US-PATENT-3,748,722
N73-32143*	c 10	NASA-CASE-MSC-13746-1				NASA-CASE-ARC-10444-1

		US-PATENT-APPL-SN-167719			US-PATENT-CLASS-179-100.2T	N74-13011*	c 46	NASA-CASE-MSC-12408-1
		US-PATENT-CLASS-331-94.5A			US-PATENT-CLASS-340-174.1L			US-PATENT-APPL-SN-229916
		US-PATENT-CLASS-350-285			US-PATENT-CLASS-370-903			US-PATENT-CLASS-423-579
		US-PATENT-CLASS-356-138	N74-11284*	c 35	NASA-CASE-NPO-11919-1			US-PATENT-3,773,913
		US-PATENT-CLASS-356-148			US-PATENT-APPL-SN-237694	N74-13129*	c 35	NASA-CASE-FRC-10051-1
		US-PATENT-CLASS-356-153			US-PATENT-CLASS-250-343			US-PATENT-APPL-SN-253725
		US-PATENT-CLASS-356-172			US-PATENT-3,766,380			US-PATENT-CLASS-254-93R
N74-10034*	c 02	US-PATENT-3,764,220	N74-11300*	c 37	NASA-CASE-LEW-10533-2			US-PATENT-CLASS-73-88R
		NASA-CASE-LAR-10776-1			US-PATENT-APPL-SN-247055			US-PATENT-3,776,028
		US-PATENT-APPL-SN-211332			US-PATENT-CLASS-219-101	N74-13130*	c 91	NASA-CASE-NPO-12127-1
		US-PATENT-CLASS-244-145			US-PATENT-CLASS-219-107			US-PATENT-APPL-SN-106106
N74-10132*	c 32	US-PATENT-3,764,097			US-PATENT-CLASS-219-78			US-PATENT-CLASS-250-219DF
		NASA-CASE-NPO-11302-2			US-PATENT-CLASS-29-497.5			US-PATENT-CLASS-250-83CD
		US-PATENT-APPL-SN-266822			US-PATENT-3,770,933			US-PATENT-3,752,996
		US-PATENT-APPL-SN-70967	N74-11301*	c 37	NASA-CASE-LAR-10170-1	N74-13131*	c 39	NASA-CASE-MFS-20730-1
		US-PATENT-CLASS-178-69.4R			US-PATENT-APPL-SN-217213			US-PATENT-APPL-SN-182971
N74-10194*	c 33	US-PATENT-3,766,315			US-PATENT-CLASS-117-105.2			US-PATENT-CLASS-269-48.1
		NASA-CASE-NPO-11962-1			US-PATENT-CLASS-29-460			US-PATENT-CLASS-83-452
		US-PATENT-APPL-SN-292681			US-PATENT-CLASS-29-498			US-PATENT-CLASS-83-602
		US-PATENT-CLASS-331-1A			US-PATENT-CLASS-29-503			US-PATENT-CLASS-83-917
		US-PATENT-CLASS-331-14			US-PATENT-CLASS-29-527.2			US-PATENT-3,777,605
		US-PATENT-CLASS-331-17			US-PATENT-3,769,689	N74-13132*	c 35	NASA-CASE-LAR-10910-1
		US-PATENT-CLASS-331-178	N74-11313*	c 36	NASA-CASE-HON-10790-1			US-PATENT-APPL-SN-239577
		US-PATENT-CLASS-331-18			US-PATENT-APPL-SN-235962			US-PATENT-CLASS-73-4R
		US-PATENT-CLASS-331-4			US-PATENT-CLASS-333-83R			US-PATENT-CLASS-73-420
N74-10195*	c 33	US-PATENT-3,764,933			US-PATENT-CLASS-333-97R			US-PATENT-3,777,546
		NASA-CASE-LEW-11617-1			US-PATENT-3,771,074	N74-13177*	c 31	NASA-CASE-LAR-10547-1
		US-PATENT-APPL-SN-266832	N74-12778*	c 52	NASA-CASE-MFS-20284-1			US-PATENT-APPL-SN-193980
		US-PATENT-CLASS-315-5.35			US-PATENT-APPL-SN-242027			US-PATENT-CLASS-264-294
		US-PATENT-CLASS-315-5.38			US-PATENT-CLASS-128-2.05T			US-PATENT-3,772,418
N74-10223*	c 33	US-PATENT-3,764,850			US-PATENT-CLASS-128-2.06F	N74-13178*	c 37	NASA-CASE-LAR-10544-1
		NASA-CASE-LAR-10730-1			US-PATENT-CLASS-324-186			US-PATENT-APPL-SN-188928
		US-PATENT-APPL-SN-239573			US-PATENT-CLASS-324-78D			US-PATENT-CLASS-222-193
		US-PATENT-CLASS-235-150.3			US-PATENT-3,773,038			US-PATENT-3,776,432
		US-PATENT-CLASS-235-92CA	N74-12779*	c 54	NASA-CASE-MFS-21115-1	N74-13179*	c 37	NASA-CASE-LEW-10805-2
		US-PATENT-CLASS-235-92DM			US-PATENT-APPL-SN-266930			US-PATENT-APPL-SN-233743
		US-PATENT-CLASS-307-225R			US-PATENT-CLASS-222-309			US-PATENT-APPL-SN-29917
		US-PATENT-CLASS-328-48			US-PATENT-CLASS-222-340			US-PATENT-CLASS-29-182
N74-10415*	c 35	US-PATENT-3,764,790			US-PATENT-CLASS-222-387			US-PATENT-CLASS-29-420.5
		NASA-CASE-MFS-20335-1			US-PATENT-CLASS-222-514			US-PATENT-CLASS-75-200
		US-PATENT-APPL-SN-238263			US-PATENT-3,777,942			US-PATENT-CLASS-75-213
		US-PATENT-CLASS-73-67.8S	N74-12812*	c 27	NASA-CASE-ARC-10464-1			US-PATENT-CLASS-75-214
		US-PATENT-3,765,229			US-PATENT-APPL-SN-198472			US-PATENT-CLASS-75-226
N74-10474*	c 37	NASA-CASE-LEW-10326-3			US-PATENT-CLASS-260-2.5AM			US-PATENT-3,775,101
		US-PATENT-APPL-SN-99901			US-PATENT-3,772,216	N74-13205*	c 36	NASA-CASE-NPO-11317-2
		US-PATENT-CLASS-277-25	N74-12813*	c 25	NASA-CASE-LAR-10551-1			US-PATENT-APPL-SN-187143
		US-PATENT-CLASS-277-27			US-PATENT-APPL-SN-191301			US-PATENT-APPL-SN-34989
		US-PATENT-CLASS-277-96			US-PATENT-CLASS-128-191R			US-PATENT-CLASS-179-100.2CH
N74-10521*	c 26	US-PATENT-3,767,212			US-PATENT-CLASS-23-252R			US-PATENT-CLASS-250-205
		NASA-CASE-LEW-10805-3			US-PATENT-CLASS-23-281			US-PATENT-CLASS-250-217
		US-PATENT-APPL-SN-266928			US-PATENT-CLASS-23-288F			US-PATENT-CLASS-340-174.1M
		US-PATENT-APPL-SN-29917			US-PATENT-CLASS-23-288J			US-PATENT-CLASS-340-174YC
		US-PATENT-CLASS-148-126			US-PATENT-CLASS-423-231			US-PATENT-CLASS-350-151
		US-PATENT-CLASS-29-420.5			US-PATENT-CLASS-55-510			US-PATENT-3,778,791
		US-PATENT-CLASS-75-200			US-PATENT-CLASS-55-518	N74-13270*	c 27	NASA-CASE-LEW-11262-1
		US-PATENT-CLASS-75-226			US-PATENT-3,771,959			US-PATENT-APPL-SN-136008
N74-10907*	c 05	US-PATENT-3,765,958	N74-12814*	c 27	NASA-CASE-ARC-10180-1			US-PATENT-CLASS-204-192
		NASA-CASE-XMF-02263			US-PATENT-APPL-SN-136253			US-PATENT-3,772,174
		US-PATENT-APPL-SN-78766			US-PATENT-CLASS-260-2.5L	N74-13420*	c 04	NASA-CASE-FRC-10049-1
		US-PATENT-CLASS-071-1			US-PATENT-3,772,220			US-PATENT-APPL-SN-232021
N74-10942*	c 08	US-PATENT-DES-228,688	N74-12887*	c 33	NASA-CASE-NPO-11905-1			US-PATENT-CLASS-235-150.27
		NASA-CASE-MSC-12394-1			US-PATENT-APPL-SN-290030			US-PATENT-CLASS-235-150.22
		US-PATENT-APPL-SN-341662			US-PATENT-CLASS-178-88			US-PATENT-CLASS-235-150.26
		US-PATENT-CLASS-244-83			US-PATENT-CLASS-325-320			US-PATENT-CLASS-244-77A
		US-PATENT-CLASS-318-580			US-PATENT-CLASS-329-104			US-PATENT-CLASS-244-77B
		US-PATENT-CLASS-318-628			US-PATENT-CLASS-329-122			US-PATENT-CLASS-343-108R
N74-10975*	c 52	US-PATENT-3,771,037			US-PATENT-CLASS-329-126			US-PATENT-3,776,455
		NASA-CASE-MSC-13972-1			US-PATENT-3,772,272	N74-13436*	c 70	NASA-CASE-LAR-10385-2
		US-PATENT-APPL-SN-200040	N74-12888*	c 60	NASA-CASE-MSC-14053-1			US-PATENT-APPL-SN-239803
		US-PATENT-CLASS-128-2S			US-PATENT-APPL-SN-266899			US-PATENT-APPL-SN-38816
		US-PATENT-CLASS-73-149			US-PATENT-CLASS-328-123			US-PATENT-CLASS-117-106A
N74-11000*	c 32	US-PATENT-3,769,834			US-PATENT-CLASS-340-173CR			US-PATENT-CLASS-117-33.3
		NASA-CASE-NPO-13171-1			US-PATENT-CLASS-340-173LM			US-PATENT-3,779,788
		US-PATENT-APPL-SN-290915			US-PATENT-3,778,786	N74-13502*	c 20	NASA-CASE-LEW-11058-1
		US-PATENT-CLASS-343-781	N74-12912*	c 32	NASA-CASE-NPO-11850-1			US-PATENT-APPL-SN-233519
		US-PATENT-CLASS-343-909			US-PATENT-APPL-SN-186700			US-PATENT-CLASS-60-258
N74-11049*	c 33	US-PATENT-3,769,623			US-PATENT-CLASS-343-18B			US-PATENT-CLASS-60-259
		NASA-CASE-HON-10792-1			US-PATENT-CLASS-343-6.5R			US-PATENT-3,777,490
		US-PATENT-APPL-SN-245063			US-PATENT-CLASS-343-6.5SS	N74-14133*	c 31	NASA-CASE-LAR-10782-1
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			US-PATENT-APPL-SN-617895				US-PATENT-CLASS-250-498				US-PATENT-CLASS-428-35
			US-PATENT-CLASS-325-145	N77-14738*	c 52		NASA-CASE-KSC-10849-1				US-PATENT-CLASS-428-421
			US-PATENT-CLASS-332-22				US-PATENT-APPL-SN-613734				US-PATENT-CLASS-428-461
			US-PATENT-CLASS-332-23R				US-PATENT-CLASS-128-418				US-PATENT-CLASS-428-474
			US-PATENT-3,996,532				US-PATENT-CLASS-3-1.1		N77-18417*	c 35	US-PATENT-4,008,348
N77-14333*	c 33		NASA-CASE-GSC-11789-1				US-PATENT-CLASS-339-252R				NASA-CASE-ARC-10898-1
			US-PATENT-APPL-SN-538982				US-PATENT-3,995,644				US-PATENT-APPL-SN-625732
			US-PATENT-CLASS-317-31	N77-14751*	c 60		NASA-CASE-GSC-11839-1				US-PATENT-CLASS-73-12
			US-PATENT-CLASS-321-13				US-PATENT-APPL-SN-468614				US-PATENT-CLASS-73-432SD
			US-PATENT-3,996,506				US-PATENT-CLASS-235-152				US-PATENT-CLASS-73-71.6
N77-14334*	c 33		NASA-CASE-GSC-12018-1				US-PATENT-CLASS-250-227				US-PATENT-4,007,623
			US-PATENT-APPL-SN-635531				US-PATENT-CLASS-340-172.5		N77-18891*	c 73	NASA-CASE-NPO-13121-1
			US-PATENT-CLASS-329-122				US-PATENT-CLASS-350-96R				US-PATENT-APPL-SN-294727
			US-PATENT-CLASS-329-124				US-PATENT-3,996,455				US-PATENT-CLASS-310-4R
			US-PATENT-CLASS-331-23	N77-17029*	c 05		NASA-CASE-ARC-10807-1				US-PATENT-CLASS-313-311
			US-PATENT-CLASS-331-36C				US-PATENT-APPL-SN-513612				US-PATENT-CLASS-346R
			US-PATENT-CLASS-332-30V				US-PATENT-CLASS-416-104				US-PATENT-4,008,407
			US-PATENT-3,997,848				US-PATENT-CLASS-416-138		N77-18893*	c 74	NASA-CASE-MSC-14683-1
N77-14335*	c 33		NASA-CASE-MFS-22560-1				US-PATENT-CLASS-416-141				US-PATENT-APPL-SN-612967
			US-PATENT-APPL-SN-589233				US-PATENT-CLASS-416-141				US-PATENT-CLASS-358-44
			US-PATENT-CLASS-250-214A	N77-17059*	c 07		NASA-CASE-LEW-12760-1				US-PATENT-4,004,292
			US-PATENT-CLASS-330-14				US-PATENT-APPL-SN-569925		N77-19056*	c 04	NASA-CASE-LAR-11387-2
			US-PATENT-CLASS-330-28				US-PATENT-CLASS-60-226A				US-PATENT-APPL-SN-531647
			US-PATENT-CLASS-330-59				US-PATENT-CLASS-60-228				US-PATENT-APPL-SN-623156
			US-PATENT-3,996,462				US-PATENT-4,005,574				US-PATENT-CLASS-33-356
N77-14406*	c 35		NASA-CASE-NPO-13663-1	N77-17143*	c 20		NASA-CASE-XLA-01349				US-PATENT-CLASS-73-178R
			US-PATENT-APPL-SN-634205				US-PATENT-APPL-SN-256493				US-PATENT-4,006,631
			US-PATENT-CLASS-250-289				US-PATENT-APPL-SN-54552		N77-19076*	c 09	NASA-CASE-ARC-10979-1
			US-PATENT-CLASS-250-298				US-PATENT-CLASS-102-49.3				US-PATENT-APPL-SN-608483
			US-PATENT-3,996,464				US-PATENT-CLASS-264-3R				US-PATENT-CLASS-124-6
N77-14407*	c 35		NASA-CASE-LAR-11648-1				US-PATENT-CLASS-86-1R				US-PATENT-CLASS-244-63
			US-PATENT-APPL-SN-645571				US-PATENT-CLASS-86-20R				US-PATENT-3,989,206
			US-PATENT-CLASS-73-133R				US-PATENT-4,000,682		N77-19170*	c 24	NASA-CASE-LEW-12550-1
			US-PATENT-3,995,476	N77-17161*	c 23		NASA-CASE-MSC-14428-1				US-PATENT-APPL-SN-596905
N77-14408*	c 35		NASA-CASE-ARC-10448-3				US-PATENT-APPL-SN-450504				US-PATENT-CLASS-416-224
			US-PATENT-APPL-SN-221670				US-PATENT-CLASS-23-230B				US-PATENT-CLASS-416-230
			US-PATENT-APPL-SN-318848				US-PATENT-CLASS-23-230M		N77-19171*	c 24	US-PATENT-4,006,999
			US-PATENT-CLASS-250-396				US-PATENT-CLASS-23-230R				NASA-CASE-LEW-12619-1
			US-PATENT-3,996,468				US-PATENT-CLASS-23-231				US-PATENT-APPL-SN-462424
N77-14409*	c 35		NASA-CASE-NPO-13540-1				US-PATENT-CLASS-23-232C				US-PATENT-CLASS-204-16
			US-PATENT-APPL-SN-526450				US-PATENT-CLASS-23-232R				US-PATENT-CLASS-204-40
			US-PATENT-CLASS-136-232				US-PATENT-CLASS-23-254R				US-PATENT-CLASS-204-9
			US-PATENT-CLASS-136-233				US-PATENT-CLASS-55-197				US-PATENT-CLASS-29-527.2
			US-PATENT-3,996,070				US-PATENT-CLASS-55-67		N77-19353*	c 34	US-PATENT-3,989,602
N77-14411*	c 35		NASA-CASE-NPO-13683-1				US-PATENT-CLASS-55-74				NASA-CASE-ARC-10912-1
			US-PATENT-APPL-SN-599284				US-PATENT-CLASS-73-23.1				US-PATENT-APPL-SN-623187
			US-PATENT-CLASS-250-343				US-PATENT-CLASS-73-61.1C				US-PATENT-CLASS-62-100
			US-PATENT-CLASS-356-201				US-PATENT-4,003,257				US-PATENT-CLASS-62-121
			US-PATENT-CLASS-356-204	N77-17351*	c 33		NASA-CASE-MFS-23181-1				US-PATENT-CLASS-62-269
			US-PATENT-CLASS-356-97				US-PATENT-APPL-SN-566495				US-PATENT-CLASS-62-315
			US-PATENT-3,995,960				US-PATENT-CLASS-331-114		N77-19385*	c 35	US-PATENT-4,007,601
N77-14477*	c 37		NASA-CASE-FRC-10081-1				US-PATENT-CLASS-331-177V				NASA-CASE-MSC-14653-1
			US-PATENT-APPL-SN-598504				US-PATENT-CLASS-332-18				US-PATENT-APPL-SN-521816
			US-PATENT-CLASS-280-432				US-PATENT-CLASS-332-30V				US-PATENT-CLASS-177-1
			US-PATENT-3,995,877				US-PATENT-4,003,004				US-PATENT-CLASS-177-208
N77-14478*	c 37		NASA-CASE-LAR-11658-1	N77-17354*	c 33		NASA-CASE-LEW-11881-1				US-PATENT-CLASS-73-432R
			US-PATENT-APPL-SN-625759				US-PATENT-APPL-SN-598968				US-PATENT-3,988,933
			US-PATENT-CLASS-83-451				US-PATENT-CLASS-307-229		N77-19416*	c 36	NASA-CASE-XNP-04167-3
			US-PATENT-CLASS-83-467R				US-PATENT-CLASS-307-230				US-PATENT-APPL-SN-170544
			US-PATENT-3,995,522				US-PATENT-CLASS-328-161				US-PATENT-APPL-SN-479357
N77-14479*	c 37		NASA-CASE-GSC-11960-1				US-PATENT-4,001,602				US-PATENT-CLASS-331-94.5D
			US-PATENT-APPL-SN-629456	N77-17426*	c 35		NASA-CASE-MFS-22671-2				US-PATENT-CLASS-331-94.5G
			US-PATENT-CLASS-242-187				US-PATENT-APPL-SN-419831				US-PATENT-CLASS-331-94.5PE
			US-PATENT-CLASS-242-193				US-PATENT-APPL-SN-561956				US-PATENT-4,007,430
			US-PATENT-CLASS-242-204				US-PATENT-CLASS-360-25		N77-19457*	c 37	NASA-CASE-MFS-15218-1
			US-PATENT-CLASS-242-210				US-PATENT-CLASS-360-31				US-PATENT-APPL-SN-387094
			US-PATENT-CLASS-242-57				US-PATENT-4,003,084				US-PATENT-CLASS-197-188
			US-PATENT-3,995,789	N77-17464*	c 37		NASA-CASE-GSC-11978-1				US-PATENT-CLASS-197-190
N77-14580*	c 44		NASA-CASE-LEW-11496-1				US-PATENT-APPL-SN-593142				US-PATENT-3,989,136
			US-PATENT-APPL-SN-645508				US-PATENT-CLASS-308-10		N77-19459*	c 37	NASA-CASE-GSC-11893-1
			US-PATENT-CLASS-136-89				US-PATENT-4,000,929				NASA-CASE-GSC-11974-1
			US-PATENT-CLASS-204-192	N77-17495*	c 38		NASA-CASE-GSC-11902-1				NASA-CASE-GSC-11975-1
			US-PATENT-3,996,067				US-PATENT-APPL-SN-565289				US-PATENT-APPL-SN-596787
N77-14581*	c 44		NASA-CASE-LEW-12220-1				US-PATENT-CLASS-235-92CA				US-PATENT-CLASS-310-4A

			US-PATENT-CLASS-337-334				US-PATENT-CLASS-313-180				US-PATENT-4,020,632
			US-PATENT-CLASS-340-224				US-PATENT-CLASS-313-184		N77-23482*	c 37	NASA-CASE-LAR-11563-1
			US-PATENT-CLASS-60-527				US-PATENT-CLASS-315-108				US-PATENT-APPL-SN-672815
			US-PATENT-CLASS-75-122.7				US-PATENT-CLASS-315-110				US-PATENT-CLASS-29-DIG.35
			US-PATENT-CLASS-75-170				US-PATENT-3,621,330				US-PATENT-CLASS-29-447
			US-PATENT-4,010,455		N77-21392*	c 35	NASA-CASE-NPO-10711-1				US-PATENT-CLASS-403-273
N77-19571*	c 44		NASA-CASE-LEW-11549-1				US-PATENT-APPL-SN-844315				US-PATENT-CLASS-53-9
			US-PATENT-APPL-SN-510677				US-PATENT-CLASS-179-100.2C				US-PATENT-4,017,959
			US-PATENT-CLASS-136-89		N77-21393*	c 35	US-PATENT-3,697,705		N77-23483*	c 37	NASA-CASE-MFS-23088-1
			US-PATENT-3,989,541				NASA-CASE-NPO-10619-1				US-PATENT-APPL-SN-602617
N77-19760*	c 60		NASA-CASE-ARC-10899-1				US-PATENT-APPL-SN-757017				US-PATENT-CLASS-213-81
			US-PATENT-APPL-SN-576774				US-PATENT-CLASS-338-25				US-PATENT-CLASS-214-1CM
			US-PATENT-CLASS-178-69.5R				US-PATENT-3,555,483				US-PATENT-CLASS-244-161
			US-PATENT-CLASS-179-15BS		N77-21844*	c 54	NASA-CASE-MFS-23074-1				US-PATENT-4,018,409
			US-PATENT-CLASS-340-172.5				US-PATENT-APPL-SN-623188		N77-24328*	c 32	NASA-CASE-ARC-10984-1
			US-PATENT-3,990,049				US-PATENT-CLASS-188-291				US-PATENT-APPL-SN-690819
N77-20162*	c 20		NASA-CASE-LEW-12048-1				US-PATENT-CLASS-254-158				US-PATENT-CLASS-356-133
			US-PATENT-APPL-SN-665033				US-PATENT-4,018,423				US-PATENT-CLASS-358-138
			US-PATENT-CLASS-313-230		N77-21941*	c 74	NASA-CASE-NPO-11429-1				US-PATENT-4,025,950
			US-PATENT-CLASS-313-231.3				US-PATENT-APPL-SN-95189		N77-24331*	c 32	NASA-CASE-MSC-14840-1
			US-PATENT-CLASS-313-360				US-PATENT-CLASS-240-41.35R				US-PATENT-APPL-SN-692414
			US-PATENT-CLASS-315-111.3				US-PATENT-CLASS-240-41R				US-PATENT-CLASS-178-88
			US-PATENT-CLASS-315-111.6				US-PATENT-CLASS-240-46.13				US-PATENT-CLASS-325-346
			US-PATENT-CLASS-60-202				US-PATENT-CLASS-356-236				US-PATENT-CLASS-329-104
			US-PATENT-4,011,719				US-PATENT-3,711,701				US-PATENT-CLASS-329-122
N77-20201*	c 26		NASA-CASE-LEW-12245-1		N77-22386*	c 33	NASA-CASE-NPO-10870-1				US-PATENT-4,027,265
			US-PATENT-APPL-SN-584094				NASA-CASE-NPO-11191-1		N77-24375*	c 33	NASA-CASE-MSC-12709-1
			US-PATENT-CLASS-148-12.7N				NASA-CASE-NPO-11403-1				US-PATENT-APPL-SN-630583
			US-PATENT-CLASS-148-162				US-PATENT-APPL-SN-108810				US-PATENT-CLASS-307-225R
			US-PATENT-CLASS-148-2				US-PATENT-CLASS-313-146				US-PATENT-CLASS-328-38
			US-PATENT-CLASS-148-20.3				US-PATENT-CLASS-313-182				US-PATENT-CLASS-328-39
			US-PATENT-CLASS-148-32.5				US-PATENT-CLASS-313-60				US-PATENT-CLASS-328-4-8
			US-PATENT-CLASS-75-170				US-PATENT-3,736,453				US-PATENT-CLASS-328-63
N77-20289*	c 32		US-PATENT-4,012,237		N77-22449*	c 35	NASA-CASE-LAR-11825-1				US-PATENT-4,025,866
			NASA-CASE-NPO-13753-1				US-PATENT-APPL-SN-632112		N77-24423*	c 34	NASA-CASE-LAR-12045-1
			US-PATENT-APPL-SN-658449				US-PATENT-CLASS-73-88R				US-PATENT-APPL-SN-682416
			US-PATENT-CLASS-325-4				US-PATENT-4,018,085				US-PATENT-CLASS-259-4R
			US-PATENT-CLASS-343-100ST		N77-22450*	c 35	NASA-CASE-MFS-23281-1				US-PATENT-CLASS-261-DIG.75
			US-PATENT-CLASS-343-6.BR				US-PATENT-APPL-SN-657995				US-PATENT-CLASS-261-123
			US-PATENT-CLASS-343-6.5R				US-PATENT-CLASS-73-15.6				US-PATENT-4,026,527
			US-PATENT-4,012,696				US-PATENT-CLASS-73-95		N77-24454*	c 35	NASA-CASE-ARC-10900-1
N77-20399*	c 35		NASA-CASE-ARC-10716-1				US-PATENT-4,018,080				US-PATENT-APPL-SN-630579
			US-PATENT-APPL-SN-403695		N77-22479*	c 37	NASA-CASE-NPO-10316-1				US-PATENT-CLASS-338-229
			US-PATENT-CLASS-235-150.2				US-PATENT-APPL-SN-703107				US-PATENT-CLASS-338-28
			US-PATENT-CLASS-235-150.25				US-PATENT-CLASS-60-53				US-PATENT-4,025,891
			US-PATENT-CLASS-244-165				US-PATENT-3,478,514		N77-24455*	c 35	NASA-CASE-GSC-12077-1
			US-PATENT-CLASS-244-171		N77-22480*	c 37	NASA-CASE-NPO-13058-1				US-PATENT-APPL-SN-635519
			US-PATENT-CLASS-244-3.21				NASA-CASE-NPO-13096-1				US-PATENT-CLASS-65-108
			US-PATENT-4,012,018				US-PATENT-APPL-SN-403154				US-PATENT-CLASS-65-59A
N77-20400*	c 35		NASA-CASE-ARC-10911-1				US-PATENT-CLASS-214-16.1CB				US-PATENT-CLASS-6554
			US-PATENT-APPL-SN-610802				US-PATENT-3,896,955				US-PATENT-4,025,327
			US-PATENT-CLASS-338-28		N77-22482*	c 37	NASA-CASE-MSC-19536-1				US-PATENT-4,025,327
			US-PATENT-CLASS-73-204				US-PATENT-APPL-SN-658450		N77-25499*	c 36	NASA-CASE-GSC-11571-1
			US-PATENT-4,011,756				US-PATENT-CLASS-74-96				US-PATENT-APPL-SN-646704
N77-20401*	c 35		NASA-CASE-MFS-23267-1				US-PATENT-4,018,092				US-PATENT-CLASS-331-94.5S
			US-PATENT-APPL-SN-653422		N77-22606*	c 44	NASA-CASE-LEW-12364-1				US-PATENT-4,025,875
			US-PATENT-CLASS-126-270				US-PATENT-APPL-SN-707124		N77-25501*	c 36	NASA-CASE-ARC-10970-1
			US-PATENT-CLASS-126-271				US-PATENT-CLASS-253-317				US-PATENT-APPL-SN-691046
			US-PATENT-CLASS-250-203R				US-PATENT-CLASS-429-105				US-PATENT-CLASS-250-574
			US-PATENT-4,011,854				US-PATENT-CLASS-429-107				US-PATENT-CLASS-350-100
N77-20882*	c 74		NASA-CASE-LAR-11782-1				US-PATENT-CLASS-429-190				US-PATENT-CLASS-350-102
			US-PATENT-APPL-SN-608482				US-PATENT-4,018,971				US-PATENT-CLASS-356-28
			US-PATENT-CLASS-350-145		N77-22607*	c 44	NASA-CASE-LAR-11361-1				US-PATENT-4,026,655
			US-PATENT-CLASS-350-174				US-PATENT-APPL-SN-669928		N77-25502*	c 36	NASA-CASE-NPO-13147-1
			US-PATENT-4,012,123				US-PATENT-CLASS-23-277R				US-PATENT-APPL-SN-317310
N77-21267*	c 32		NASA-CASE-LAR-11390-1				US-PATENT-CLASS-23-281				US-PATENT-CLASS-330-4.3
			US-PATENT-APPL-SN-662176				US-PATENT-CLASS-423-648R				US-PATENT-CLASS-331-94.5D
			US-PATENT-CLASS-340-5H				US-PATENT-CLASS-55-158				US-PATENT-CLASS-331-94.5P
			US-PATENT-CLASS-343-18B				US-PATENT-4,019,868				US-PATENT-4,027,273
			US-PATENT-CLASS-343-5CM		N77-22794*	c 51	NASA-CASE-GSC-12039-1		N77-25769*	c 51	NASA-CASE-LAR-10773-3
			US-PATENT-CLASS-343-5MM				US-PATENT-APPL-SN-572991				US-PATENT-APPL-SN-125235
			US-PATENT-4,019,179				US-PATENT-CLASS-195-103.5K				US-PATENT-APPL-SN-314656
N77-21314*	c 33		NASA-CASE-NPO-10189-1				US-PATENT-CLASS-195-103.5F				US-PATENT-APPL-SN-623238
			NASA-CASE-NPO-10781-1				US-PATENT-4,014,745				US-PATENT-CLASS-195-1.8
			US-PATENT-APPL-SN-744522		N77-22950*	c 74	NASA-CASE-ARC-10976-1				US-PATENT-4,018,649
			US-PATENT-CLASS-307-232				US-PATENT-APPL-SN-665032		N77-25772*	c 52	NASA-CASE-KSC-11030-1
			US-PATENT-CLASS-307-238				US-PATENT-CLASS-356-171				US-PATENT-APPL-SN-709849
			US-PATENT-CLASS-307-280				US-PATENT-4,018,533				US-PATENT-CLASS-128-1R
			US-PATENT-CLASS-329-119		N77-22951*	c 74	NASA-CASE-NPO-13722-1				US-PATENT-CLASS-3-1
			US-PATENT-CLASS-329-205				US-PATENT-APPL-SN-616472				US-PATENT-CLASS-339-12R
			US-PATENT-CLASS-332-16				US-PATENT-CLASS-250-203R				US-PATENT-4,025,964
			US-PATENT-CLASS-332-30				US-PATENT-CLASS-250-211K		N77-26385*	c 33	NASA-CASE-LEW-11978-1
			US-PATENT-CLASS-332-52				US-PATENT-CLASS-356-141				US-PATENT-APPL-SN-708658
			US-PATENT-3,582,828				US-PATENT-CLASS-356-152				US-PATENT-CLASS-204-32A
N77-21315*	c 33		NASA-CASE-NPO-11510-1				US-PATENT-CLASS-356-172				US-PATENT-CLASS-29-597
			US-PATENT-APPL-SN-173178				US-PATENT-4,018,532				US-PATENT-CLASS-29-622
			US-PATENT-APPL-SN-385059		N77-23106*	c 07	NASA-CASE-LEW-12830-1				US-PATENT-CLASS-29-628
			US-PATENT-CLASS-313-161				US-PATENT-APPL-SN-596641				US-PATENT-CLASS-29-630E
			US-PATENT-CLASS-313-184				US-PATENT-APPL-SN-655149				US-PATENT-4,023,266
			US-PATENT-CLASS-313-224				US-PATENT-CLASS-123-122E		N77-26386*	c 33	NASA-CASE-GSC-11824-1
			US-PATENT-CLASS-313-32				US-PATENT-CLASS-123-41.33				US-PATENT-APPL-SN-583486
			US-PATENT-CLASS-315-344				US-PATENT-CLASS-137-101				US-PATENT-CLASS-318-138
			US-PATENT-3,881,132				US-PATENT-CLASS-415-180				US-PATENT-CLASS-318-227
N77-21316*	c 33		NASA-CASE-NPO-10790-1				US-PATENT-CLASS-60-39.03				US-PATENT-CLASS-318-254
			US-PATENT-APPL-SN-841278				US-PATENT-CLASS-60-39.26R				US-PATENT-4,027,212
			US-PATENT-CLASS-313-175				US-PATENT-CLASS-60-39.66		N77-26387*	c 33	NASA-CASE-LAR-11389-1

			US-PATENT-APPL-SN-229143				US-PATENT-APPL-SN-568541				US-PATENT-CLASS-179-15A
			US-PATENT-APPL-SN-340862				US-PATENT-CLASS-156-229				US-PATENT-CLASS-179-15P
			US-PATENT-CLASS-310-111				US-PATENT-CLASS-244-123				US-PATENT-4,039,754
			US-PATENT-CLASS-310-168				US-PATENT-CLASS-428-141	N77-30365*	c 33		NASA-CASE-NPO-13812-1
			US-PATENT-CLASS-322-96				US-PATENT-CLASS-428-161				US-PATENT-APPL-SN-694855
			US-PATENT-3,849,720				US-PATENT-CLASS-428-425				US-PATENT-CLASS-307-64
N77-26477*	c 36		NASA-CASE-NPO-13550-1				US-PATENT-CLASS-428-457				US-PATENT-CLASS-363-53
			US-PATENT-APPL-SN-483301				US-PATENT-CLASS-428-458				US-PATENT-CLASS-363-70
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US-PATENT-CLASS-210-63R
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US-PATENT-4,052,302

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US-PATENT-APPL-SN-739914
US-PATENT-CLASS-179-107R
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US-PATENT-CLASS-330-2
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US-PATENT-APPL-SN-706425
US-PATENT-CLASS-318-200
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US-PATENT-CLASS-123-122E
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N81-15119*	c 28	US-PATENT-CLASS-29-DIG.1	N81-17261*	c 27	US-PATENT-CLASS-188-180	N81-19242*	c 25	US-PATENT-CLASS-251-216
		US-PATENT-CLASS-29-832			US-PATENT-CLASS-188-184			US-PATENT-CLASS-251-339
N81-15179*	c 32	US-PATENT-4,219,926	N81-17348*	c 33	US-PATENT-CLASS-244-173	N81-19296*	c 27	US-PATENT-4,239,057
		NASA-CASE-ARC-11114-1			US-PATENT-4,219,107			NASA-CASE-FRC-11013-1
		US-PATENT-APPL-SN-951422			NASA-CASE-NPO-14162-1			US-PATENT-APPL-SN-043912
		US-PATENT-CLASS-128-DIG.12			NASA-CASE-NPO-14167-1			US-PATENT-CLASS-244-160
		US-PATENT-CLASS-128-DIG.16			NASA-CASE-NPO-14169-1			US-PATENT-CLASS-244-49
		US-PATENT-CLASS-128-DIG.26			US-PATENT-APPL-SN-893903			US-PATENT-4,240,601
		US-PATENT-CLASS-128-DIG.6			US-PATENT-CLASS-307-219			NASA-CASE-NPO-14619-1
		US-PATENT-CLASS-128-DIG.9			US-PATENT-CLASS-307-225R			US-PATENT-APPL-SN-027559
		US-PATENT-CLASS-128-204.18			US-PATENT-CLASS-307-269			US-PATENT-CLASS-126-419
		US-PATENT-CLASS-128-207.14			US-PATENT-CLASS-307-291			US-PATENT-CLASS-60-524
		US-PATENT-CLASS-128-207.28			US-PATENT-CLASS-328-192			US-PATENT-CLASS-60-641
		US-PATENT-CLASS-128-236			US-PATENT-CLASS-328-48			US-PATENT-4,236,383
		US-PATENT-4,212,297			US-PATENT-CLASS-328-71			NASA-CASE-NPO-14219-1
		NASA-CASE-ARC-11117-1			US-PATENT-4,213,064			US-PATENT-APPL-SN-888432
		US-PATENT-APPL-SN-003693			NASA-CASE-MFS-25050-1			US-PATENT-CLASS-350-301
		US-PATENT-CLASS-128-642			US-PATENT-APPL-SN-057466			US-PATENT-CLASS-354-118
		US-PATENT-4,219,027			US-PATENT-CLASS-308-10			US-PATENT-CLASS-362-11
		NASA-CASE-ARC-11118-2			US-PATENT-CLASS-73-505			US-PATENT-CLASS-362-241
		US-PATENT-APPL-SN-850504			US-PATENT-4,218,921			US-PATENT-4,213,684
		US-PATENT-APPL-SN-974476			NASA-CASE-LEW-23169-2			NASA-CASE-NPO-14657-1
		US-PATENT-CLASS-424-274			US-PATENT-APPL-SN-191746			US-PATENT-APPL-SN-008211
		US-PATENT-4,230,717			NASA-CASE-FRC-11029-1			US-PATENT-CLASS-356-432
		NASA-CASE-LAR-12326-1			US-PATENT-APPL-SN-164617			US-PATENT-CLASS-73-15R
		US-PATENT-APPL-SN-019541			US-PATENT-CLASS-73-147			US-PATENT-4,243,327
		US-PATENT-CLASS-102-56R			US-PATENT-CLASS-73-178R			NASA-CASE-NPO-14502-1
		US-PATENT-CLASS-102-92.1			US-PATENT-4,240,290			US-PATENT-APPL-SN-965368
		US-PATENT-CLASS-244-119			NASA-CASE-LEW-12493-1			US-PATENT-CLASS-356-345
		US-PATENT-CLASS-244-130			US-PATENT-APPL-SN-893857			US-PATENT-CLASS-356-352
		US-PATENT-4,225,102			US-PATENT-CLASS-156-292			US-PATENT-CLASS-356-358
		NASA-CASE-LEW-13201-1			US-PATENT-CLASS-228-118			US-PATENT-4,243,323
		US-PATENT-APPL-SN-038980			US-PATENT-CLASS-228-170			NASA-CASE-LAR-11797-1
		US-PATENT-CLASS-137-15.1			US-PATENT-CLASS-228-174			US-PATENT-APPL-SN-969755
		US-PATENT-CLASS-181-214			US-PATENT-CLASS-228-190			US-PATENT-CLASS-244-17.25
		US-PATENT-4,220,171			US-PATENT-4,211,354			US-PATENT-CLASS-416-114
		NASA-CASE-NPO-10830-1			NASA-CASE-NPO-13530-1			US-PATENT-CLASS-416-500
		US-PATENT-APPL-SN-825489			US-PATENT-CLASS-210-500M			US-PATENT-CLASS-74-519
		US-PATENT-CLASS-117-6			US-PATENT-CLASS-260-2.1			US-PATENT-4,245,956
		US-PATENT-CLASS-138.8R			US-PATENT-CLASS-260-2.2R			NASA-CASE-LEW-12907-2
		US-PATENT-CLASS-260-33.6UB			US-PATENT-4,014,798			US-PATENT-APPL-SN-752050
		US-PATENT-CLASS-33.8UB			NASA-CASE-ARC-11248-1			US-PATENT-APPL-SN-909235
		US-PATENT-CLASS-37N			US-PATENT-APPL-SN-028300			US-PATENT-CLASS-364-106
		US-PATENT-CLASS-41R			US-PATENT-CLASS-528-362			US-PATENT-CLASS-364-431
		US-PATENT-CLASS-77.5AQ			US-PATENT-CLASS-528-401			US-PATENT-CLASS-60-39.24
		US-PATENT-CLASS-77.5CH			US-PATENT-CLASS-528-422			US-PATENT-4,249,238
		US-PATENT-CLASS-859R			US-PATENT-CLASS-528-423			NASA-CASE-LEW-12594-2
		US-PATENT-CLASS-94.9N			US-PATENT-4,242,498			US-PATENT-APPL-SN-741056
		US-PATENT-3,655,814			NASA-CASE-LEW-13226-1			US-PATENT-APPL-SN-909608
		NASA-CASE-NPO-14110-1			US-PATENT-APPL-SN-070771			US-PATENT-CLASS-60-226R
		US-PATENT-APPL-SN-947000			US-PATENT-CLASS-260-326N			US-PATENT-CLASS-60-236
		US-PATENT-CLASS-149-108.4			US-PATENT-CLASS-260-326S			US-PATENT-CLASS-60-238
		US-PATENT-CLASS-23-293R			US-PATENT-CLASS-260-37EP			US-PATENT-CLASS-60-239
		US-PATENT-CLASS-252-364			US-PATENT-CLASS-528-118			US-PATENT-4,242,864
		US-PATENT-CLASS-260-96D			US-PATENT-CLASS-528-322			NASA-CASE-LAR-11970-2
		US-PATENT-CLASS-423-1			US-PATENT-CLASS-538-117			US-PATENT-APPL-SN-034104
		US-PATENT-CLASS-423-131			US-PATENT-4,244,857			US-PATENT-APPL-SN-727503
		US-PATENT-CLASS-423-658.5			NASA-CASE-NPO-14315-1			US-PATENT-CLASS-244-52
		US-PATENT-CLASS-525-384			US-PATENT-APPL-SN-900659			US-PATENT-CLASS-244-87
		US-PATENT-CLASS-526-914			US-PATENT-CLASS-201-10			US-PATENT-4,236,684
		US-PATENT-CLASS-75-25			US-PATENT-CLASS-201-25			NASA-CASE-MFS-25000-1
		US-PATENT-4,229,182			US-PATENT-CLASS-201-8			US-PATENT-APPL-SN-974474
		NASA-CASE-NPO-13758-2			US-PATENT-CLASS-44-50			US-PATENT-CLASS-260-29.6RB
		US-PATENT-APPL-SN-623389			US-PATENT-CLASS-44-62			US-PATENT-CLASS-526-201
		US-PATENT-APPL-SN-727444			US-PATENT-4,246,001			US-PATENT-CLASS-526-88
		US-PATENT-CLASS-110-218			NASA-CASE-ARC-11253-1			US-PATENT-4,247,434
		US-PATENT-CLASS-110-229			US-PATENT-APPL-SN-028301			NASA-CASE-NPO-13309-1
		US-PATENT-CLASS-110-232			US-PATENT-CLASS-528-310			US-PATENT-APPL-SN-363130
		US-PATENT-CLASS-110-343			US-PATENT-CLASS-528-362			US-PATENT-CLASS-210-24
		US-PATENT-CLASS-110-347			US-PATENT-CLASS-528-401			US-PATENT-CLASS-260-2.1E
		US-PATENT-CLASS-202-118			US-PATENT-4,245,085			US-PATENT-CLASS-260-2.2R
		US-PATENT-CLASS-264-23			NASA-CASE-MFS-23845-1			US-PATENT-CLASS-264-41
		US-PATENT-CLASS-425-378R			US-PATENT-APPL-SN-938298			US-PATENT-3,944,485
		US-PATENT-4,206,713			US-PATENT-CLASS-307-233R			NASA-CASE-LEW-12933-1
		NASA-CASE-MSC-18035-1			US-PATENT-CLASS-307-206			US-PATENT-APPL-SN-027557
		US-PATENT-APPL-SN-041142			US-PATENT-CLASS-333-204			US-PATENT-CLASS-260-33.4R
		US-PATENT-CLASS-375-1			US-PATENT-4,227,096			US-PATENT-CLASS-427-221
		US-PATENT-CLASS-375-115						

				US-PATENT-CLASS-427-379	N81-24106*	c 08	NASA-CASE-LAR-12268-1		US-PATENT-CLASS-422-34	
				US-PATENT-CLASS-528-353			US-PATENT-APPL-SN-015996		US-PATENT-4,250,143	
				US-PATENT-4,244,853			US-PATENT-CLASS-244-181	N81-24779*	c 62	NASA-CASE-KSC-11048-1
N81-19343*	c 31			NASA-CASE-GSC-12513-1			US-PATENT-CLASS-244-195			US-PATENT-APPL-SN-023437
				US-PATENT-APPL-SN-053571			US-PATENT-CLASS-318-584			US-PATENT-CLASS-364-200
				US-PATENT-CLASS-109-49.5			US-PATENT-CLASS-364-434			US-PATENT-4,254,464
				US-PATENT-CLASS-109-58.5			US-PATENT-4,261,537	N81-24900*	c 74	NASA-CASE-GSC-12528-1
				US-PATENT-CLASS-220-82R	N81-24256*	c 27	NASA-CASE-ARC-11253-3			US-PATENT-APPL-SN-111439
				US-PATENT-CLASS-220-89A			US-PATENT-APPL-SN-028301			US-PATENT-CLASS-250-368
				US-PATENT-CLASS-49-171			US-PATENT-APPL-SN-145283			US-PATENT-CLASS-250-483
				US-PATENT-4,245,566			US-PATENT-CLASS-260-465.5R			US-PATENT-4,262,206
N81-19389*	c 33			NASA-CASE-NPO-14297-1			US-PATENT-CLASS-528-310	N81-25159*	c 25	NASA-CASE-NPO-15102-1
				US-PATENT-APPL-SN-938299			US-PATENT-CLASS-564-229			US-PATENT-APPL-SN-154726
				US-PATENT-CLASS-156-DIG.96			US-PATENT-4,269,787			US-PATENT-CLASS-250-350
				US-PATENT-CLASS-156-608	N81-24257*	c 27	NASA-CASE-LEW-13135-2			US-PATENT-CLASS-356-432
				US-PATENT-CLASS-219-10.49R			US-PATENT-APPL-SN-113014			US-PATENT-4,253,769
				US-PATENT-CLASS-219-10.67			US-PATENT-APPL-SN-971475	N81-25188*	c 26	NASA-CASE-LEW-13088-1
				US-PATENT-CLASS-422-246			US-PATENT-CLASS-264-104			US-PATENT-APPL-SN-089779
				US-PATENT-CLASS-422-249			US-PATENT-CLASS-264-105			US-PATENT-CLASS-428-471
				US-PATENT-CLASS-432-264			US-PATENT-CLASS-429-139			US-PATENT-CLASS-428-632
				US-PATENT-4,242,553			US-PATENT-CLASS-429-249			US-PATENT-CLASS-428-678
N81-19392*	c 33			NASA-CASE-GSC-12360-1			US-PATENT-CLASS-429-253			US-PATENT-CLASS-428-679
				US-PATENT-APPL-SN-041164			US-PATENT-CLASS-429-27			US-PATENT-CLASS-428-680
				US-PATENT-CLASS-363-101			US-PATENT-CLASS-429-28			US-PATENT-CLASS-428-695
				US-PATENT-CLASS-363-21			US-PATENT-CLASS-525-61	N81-25209*	c 27	NASA-CASE-MSC-18107-1
				US-PATENT-4,245,286			US-PATENT-4,262,067			US-PATENT-APPL-SN-956168
N81-19393*	c 33			NASA-CASE-NPO-14505-1	N81-24258*	c 27	NASA-CASE-NPO-10424-1			US-PATENT-CLASS-430-271
				US-PATENT-APPL-SN-956166			US-PATENT-APPL-SN-692636			US-PATENT-CLASS-430-325
				US-PATENT-CLASS-363-21			US-PATENT-CLASS-260-37			US-PATENT-CLASS-430-329
				US-PATENT-CLASS-363-36			US-PATENT-3,651,008			US-PATENT-CLASS-430-330
				US-PATENT-CLASS-363-40	N81-24280*	c 28	NASA-CASE-MSC-16394-1			US-PATENT-4,262,080
				US-PATENT-CLASS-363-47			US-PATENT-APPL-SN-161255	N81-25258*	c 31	NASA-CASE-LAR-12095-1
				US-PATENT-4,245,288			US-PATENT-CLASS-204-129			US-PATENT-APPL-SN-811401
N81-19426*	c 35			NASA-CASE-MFS-23923-1			US-PATENT-CLASS-204-252			US-PATENT-CLASS-244-158R
				US-PATENT-APPL-SN-053569			US-PATENT-CLASS-204-266			US-PATENT-CLASS-403-171
				US-PATENT-CLASS-73-190R			US-PATENT-CLASS-204-290F			US-PATENT-CLASS-428-902
				US-PATENT-4,248,083			US-PATENT-CLASS-204-290R			US-PATENT-CLASS-52-309.1
N81-19427*	c 35			NASA-CASE-MSC-16370-1			US-PATENT-CLASS-204-291			US-PATENT-CLASS-52-648
				US-PATENT-APPL-SN-061556			US-PATENT-4,263,112			US-PATENT-CLASS-52-726
				US-PATENT-CLASS-329-107	N81-24338*	c 33	NASA-CASE-NPO-14617-1			US-PATENT-4,259,821
				US-PATENT-CLASS-329-50			US-PATENT-APPL-SN-051269	N81-25259*	c 31	NASA-CASE-LAR-12077-1
				US-PATENT-CLASS-375-1			US-PATENT-CLASS-330-8			US-PATENT-APPL-SN-014663
				US-PATENT-CLASS-375-104			US-PATENT-4,262,259			US-PATENT-CLASS-52-645
				US-PATENT-CLASS-375-34	N81-24422*	c 36	NASA-CASE-LAR-12177-1			US-PATENT-4,259,825
				US-PATENT-CLASS-375-99			US-PATENT-APPL-SN-027558	N81-25278*	c 32	NASA-CASE-NPO-14588-1
				US-PATENT-4,241,312			US-PATENT-CLASS-356-28.5			US-PATENT-APPL-SN-008209
N81-19455*	c 37			NASA-CASE-LEW-12982-1			US-PATENT-CLASS-356-356			US-PATENT-CLASS-343-755
				US-PATENT-APPL-SN-929084			US-PATENT-CLASS-356-358			US-PATENT-CLASS-343-772
				US-PATENT-CLASS-204-192E			US-PATENT-4,255,048			US-PATENT-CLASS-343-781R
				US-PATENT-CLASS-228-116	N81-24442*	c 37	NASA-CASE-LEW-12991-1			US-PATENT-CLASS-343-786
				US-PATENT-CLASS-228-205			US-PATENT-APPL-SN-961832			US-PATENT-4,258,366
				US-PATENT-4,245,768			US-PATENT-CLASS-277-96	N81-25299*	c 33	NASA-CASE-GSC-12399-1
N81-19558*	c 44			NASA-CASE-NPO-14670-1			US-PATENT-4,260,166			US-PATENT-APPL-SN-961831
				US-PATENT-APPL-SN-043941	N81-24443*	c 37	NASA-CASE-LAR-11695-2			US-PATENT-CLASS-70-58
				US-PATENT-CLASS-136-258			US-PATENT-APPL-SN-103836			US-PATENT-4,252,007
				US-PATENT-CLASS-252-62.3E			US-PATENT-APPL-SN-893865	N81-25370*	c 37	NASA-CASE-NPO-14221-1
				US-PATENT-CLASS-357-30			US-PATENT-CLASS-152-330RF			US-PATENT-APPL-SN-907431
				US-PATENT-CLASS-357-59			US-PATENT-CLASS-152-353G			US-PATENT-CLASS-60-517
				US-PATENT-CLASS-357-63			US-PATENT-CLASS-152-353R			US-PATENT-CLASS-60-525
				US-PATENT-4,249,957			US-PATENT-CLASS-152-379.4			US-PATENT-4,255,929
N81-19896*	c 74			NASA-CASE-NPO-11337-1			US-PATENT-CLASS-244-103R	N81-25371*	c 37	NASA-CASE-NPO-13823-1
				NASA-CASE-NPO-11575-1			US-PATENT-CLASS-244-130			US-PATENT-APPL-SN-658487
				US-PATENT-APPL-SN-090584			US-PATENT-4,267,992			US-PATENT-CLASS-106-43
				US-PATENT-APPL-SN-276599	N81-24519*	c 44	NASA-CASE-LEW-12441-3			US-PATENT-CLASS-264-332
				US-PATENT-CLASS-340-146.3H			US-PATENT-APPL-SN-032307			US-PATENT-4,252,768
				US-PATENT-CLASS-340-146.3S			US-PATENT-APPL-SN-856462	N81-25400*	c 39	NASA-CASE-NPO-14363-1
				US-PATENT-CLASS-340-146.3Y			US-PATENT-CLASS-239-127.1			US-PATENT-APPL-SN-969760
				US-PATENT-3,845,466			US-PATENT-CLASS-60-204			US-PATENT-CLASS-356-213
N81-19898*	c 74			NASA-CASE-NPO-12087-1			US-PATENT-CLASS-60-267			US-PATENT-CLASS-356-216
				US-PATENT-APPL-SN-095217			US-PATENT-4,199,937			US-PATENT-CLASS-356-234
				US-PATENT-CLASS-250-83.6R			US-PATENT-4,245,469			US-PATENT-CLASS-356-32
				US-PATENT-3,704,284	N81-24520*	c 44	NASA-CASE-MFS-23999-1	N81-25660*	c 52	NASA-CASE-MFS-23717-1
N81-20352* #	c 33			NASA-CASE-NPO-13970-1			US-PATENT-APPL-SN-060435			US-PATENT-APPL-SN-950877
				US-PATENT-APPL-SN-023484			US-PATENT-CLASS-250-203R			US-PATENT-CLASS-128-DIG.25
				US-PATENT-CLASS-318-138			US-PATENT-CLASS-250-209			US-PATENT-CLASS-128-1R
				US-PATENT-CLASS-318-254			US-PATENT-4,262,195			US-PATENT-CLASS-128-346
				US-PATENT-CLASS-318-439	N81-24521*	c 44	NASA-CASE-LEW-12918-1			US-PATENT-CLASS-137-493
				US-PATENT-4,249,116			US-PATENT-APPL-SN-134855			US-PATENT-4,256,093
N81-20703*	c 52			NASA-CASE-NPO-14329-1			US-PATENT-CLASS-429-120			US-PATENT-4,256,093
				US-PATENT-APPL-SN-044432			US-PATENT-CLASS-429-160	N81-25661*	c 52	NASA-CASE-GSC-12082-2
				US-PATENT-CLASS-128-642			US-PATENT-CLASS-429-164			US-PATENT-APPL-SN-676958
				US-PATENT-CLASS-128-774			US-PATENT-CLASS-429-94			US-PATENT-APPL-SN-798976
				US-PATENT-CLASS-73-141A			US-PATENT-4,262,064			US-PATENT-CLASS-128-80F
				US-PATENT-4,249,417	N81-24711*	c 52	NASA-CASE-MSC-16433-1			US-PATENT-4,252,111
N81-21047*	c 04			NASA-CASE-ARC-11257-1			US-PATENT-APPL-SN-910992	N81-25662*	c 52	NASA-CASE-ARC-11167-1
				US-PATENT-APPL-SN-078611			US-PATENT-CLASS-128-295			US-PATENT-APPL-SN-057526
				US-PATENT-CLASS-73-178R			US-PATENT-CLASS-128-761			US-PATENT-CLASS-128-89R
				US-PATENT-CLASS-73-490			US-PATENT-CLASS-4-144.3			US-PATENT-4,261,349
				US-PATENT-CLASS-73-504			US-PATENT-4,246,901	N81-26073* #	c 02	NASA-CASE-KSC-11042-2
				US-PATENT-4,244,215	N81-24724*	c 54	NASA-CASE-KSC-11085-1			US-PATENT-APPL-SN-154663
N81-22280* #	c 33			NASA-CASE-MFS-24368-3			US-PATENT-APPL-SN-046739	N81-26114*	c 05	NASA-CASE-LAR-12406-1
				US-PATENT-APPL-SN-243683			US-PATENT-CLASS-261-79A			US-PATENT-APPL-SN-008210
N81-22344* #	c 56			NASA-CASE-GSC-12609-1			US-PATENT-CLASS-422-109			US-PATENT-CLASS-165-104.14
				US-PATENT-APPL-SN-218586			US-PATENT-CLASS-422-27			US-PATENT-CLASS-244-117A
N81-22360* #	c 37			NASA-CASE-LEW-12445-1			US-PATENT-CLASS-422-3			US-PATENT-CLASS-244-163
				US-PATENT-APPL-SN-238887			US-PATENT-CLASS-422-30			US-PATENT-CLASS-60-259

			US-PATENT-CLASS-60-267	N81-27272*	c 27	NASA-CASE-ARC-11321-1			US-PATENT-CLASS-364-566
			US-PATENT-CLASS-60-730			US-PATENT-APPL-SN-175452			US-PATENT-CLASS-73-178R
			US-PATENT-CLASS-62-DIG.5			US-PATENT-CLASS-428-260			US-PATENT-CLASS-73-510
			US-PATENT-4,273,304			US-PATENT-CLASS-428-367			US-PATENT-4,281,384
N81-26152*	c 08		NASA-CASE-LAR-12562-1			US-PATENT-CLASS-428-408	N81-29160*	c 23	NASA-CASE-LEW-13101-2
			US-PATENT-APPL-SN-015995			US-PATENT-CLASS-428-902			US-PATENT-APPL-SN-145271
			US-PATENT-CLASS-244-181			US-PATENT-CLASS-428-920			US-PATENT-APPL-SN-971473
			US-PATENT-CLASS-244-182			US-PATENT-CLASS-526-262			US-PATENT-CLASS-260-17.4UC
			US-PATENT-4,266,743			US-PATENT-CLASS-528-228			US-PATENT-CLASS-264-104
N81-26161*	c 14		NASA-CASE-LAR-12250-1	N81-27323*	c 31	US-PATENT-4,276,344			US-PATENT-CLASS-428-139
			US-PATENT-APPL-SN-910794			NASA-CASE-MS-16217-1			US-PATENT-CLASS-429-249
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		US-PATENT-CLASS-204-192.15			US-PATENT-APPL-SN-706565	US-PATENT-CLASS-73-147
		US-PATENT-CLASS-204-192.23			US-PATENT-CLASS-356-128	US-PATENT-CLASS-73-756
		US-PATENT-CLASS-428-607			US-PATENT-CLASS-356-129	US-PATENT-4,688,422
		US-PATENT-CLASS-428-632	N87-25868* #	c 76	US-PATENT-4,681,437	N87-29118* c 54
		US-PATENT-CLASS-428-651			NASA-CASE-NPO-16808-1-CU	NASA-CASE-LAR-13393-1
		US-PATENT-CLASS-428-660			US-PATENT-APPL-SN-027981	US-PATENT-APPL-SN-760799
		US-PATENT-4,681,818	N87-27713*	c 18	NASA-CASE-LAR-13489-1	US-PATENT-CLASS-182-223
N87-25469*	c 27	NASA-CASE-ARC-11548-1			US-PATENT-APPL-SN-890445	US-PATENT-CLASS-182-63
		US-PATENT-APPL-SN-806572			US-PATENT-CLASS-285-27	US-PATENT-CLASS-182-82
		US-PATENT-CLASS-428-413			US-PATENT-CLASS-285-373	US-PATENT-4,685,535
		US-PATENT-CLASS-428-417			US-PATENT-CLASS-285-421	N87-29360* c 76
		US-PATENT-CLASS-528-108			US-PATENT-CLASS-285-86	NASA-CASE-LAR-13476-1-CU
		US-PATENT-CLASS-528-168			US-PATENT-CLASS-403-341	US-PATENT-APPL-SN-933961
		US-PATENT-4,668,589			US-PATENT-4,684,156	US-PATENT-CLASS-423-338
N87-25474* #	c 27	NASA-CASE-LAR-13732-1	N87-27742* #	c 24	NASA-CASE-LAR-13150-1	US-PATENT-CLASS-423-339
		US-PATENT-APPL-SN-035430			US-PATENT-APPL-SN-729767	US-PATENT-4,696,808
N87-25489* #	c 29	NASA-CASE-NPO-17022-1-CU			US-PATENT-CLASS-29-156.5-R	N87-29372* c 82
		US-PATENT-APPL-SN-066450			US-PATENT-CLASS-92-208	NASA-CASE-LAR-13306-1
N87-25491*	c 31	NASA-CASE-MFS-28044-1			US-PATENT-4,683,809	US-PATENT-APPL-SN-846430
		US-PATENT-APPL-SN-804039	N87-28006*	c 36	NASA-CASE-NPO-16567-1-CU	US-PATENT-CLASS-340-407
		US-PATENT-CLASS-408-1-R			US-PATENT-APPL-SN-760790	US-PATENT-CLASS-434-114
		US-PATENT-CLASS-51-281-R			US-PATENT-CLASS-250-339	US-PATENT-4,687,444
		US-PATENT-4,680,897			US-PATENT-CLASS-250-343	N87-29586* # c 18
N87-25492*	c 31	NASA-CASE-LAR-13113-1			US-PATENT-CLASS-250-373	NAS 1,71:LAR-13738-1
		US-PATENT-APPL-SN-831371			US-PATENT-CLASS-356-256	NASA-CASE-LAR-13738-1
		US-PATENT-CLASS-182-152			US-PATENT-CLASS-356-409	US-PATENT-APPL-SN-073539
		US-PATENT-CLASS-52-108			US-PATENT-CLASS-356-51	NASA-CASE-LAR-13632-1
		US-PATENT-CLASS-52-632			US-PATENT-4,684,258	US-PATENT-APPL-SN-079316
		US-PATENT-CLASS-52-646	N87-28416*	c 74	NASA-CASE-ARC-11611-1	NAS 1,71:MSC-21082-1
		US-PATENT-4,677,803			US-PATENT-APPL-SN-765981	NASA-CASE-MS-C-21082-1
N87-25495* #	c 31	NASA-CASE-MS-C-21025-1			US-PATENT-CLASS-156-163	US-PATENT-APPL-SN-079320
		US-PATENT-APPL-SN-035401			US-PATENT-CLASS-156-229	N88-14071* c 02
N87-25511*	c 32	NASA-CASE-NPO-16414-1-CU			US-PATENT-CLASS-156-286	NASA-CASE-LAR-13286-1
		US-PATENT-APPL-SN-729719			US-PATENT-CLASS-156-382	US-PATENT-APPL-SN-686959
		US-PATENT-CLASS-332-23-A			US-PATENT-CLASS-156-494	US-PATENT-CLASS-114-67R
		US-PATENT-CLASS-375-101			US-PATENT-CLASS-264-291	US-PATENT-CLASS-138-38
		US-PATENT-CLASS-375-102			US-PATENT-4,684,424	US-PATENT-CLASS-244-130
		US-PATENT-CLASS-375-39	N87-28605*	c 23	NASA-CASE-ARC-11425-2	US-PATENT-CLASS-244-199
		US-PATENT-CLASS-375-54			US-PATENT-APPL-SN-641152	US-PATENT-CLASS-244-200
		US-PATENT-CLASS-455-65			US-PATENT-CLASS-558-145	US-PATENT-CLASS-296-1S
		US-PATENT-4,675,880			US-PATENT-CLASS-558-190	US-PATENT-4,706,910
N87-25531*	c 33	NASA-CASE-MS-C-20187-1			US-PATENT-CLASS-558-193	N88-14083* c 03
		US-PATENT-APPL-SN-649327			US-PATENT-4,689,421	NASA-CASE-LAR-13470-1
		US-PATENT-CLASS-371-43	N87-28647*	c 26	NASA-CASE-LEW-14262-1	US-PATENT-APPL-SN-855983
		US-PATENT-CLASS-375-120			US-PATENT-APPL-SN-832296	US-PATENT-CLASS-361-218
		US-PATENT-CLASS-375-54			US-PATENT-CLASS-148-162	US-PATENT-CLASS-361-222
		US-PATENT-CLASS-375-59			US-PATENT-CLASS-148-410	US-PATENT-4,698,723
		US-PATENT-CLASS-375-76			US-PATENT-4,676,846	N88-14179* c 26
		US-PATENT-4,682,343	N87-28656*	c 27	NASA-CASE-LEW-14392-1	NASA-CASE-LEW-14104-2

N88-14270*	c 33	US-PATENT-CLASS-62-514R	US-PATENT-CLASS-244-119	US-PATENT-CLASS-73-587
		US-PATENT-4,697,425	US-PATENT-CLASS-244-120	US-PATENT-CLASS-73-801
N88-14271*	c 33	NASA-CASE-NPO-16764-1-CU	US-PATENT-CLASS-244-130	US-PATENT-4,738,137
		US-PATENT-APPL-SN-904513	US-PATENT-CLASS-244-15	NASA-CASE-LAR-13458-1
N88-14271*	c 33	US-PATENT-CLASS-439-271	US-PATENT-4,735,381	US-PATENT-APPL-SN-013802
		US-PATENT-CLASS-439-578	NASA-CASE-GSC-12970-1	US-PATENT-CLASS-73-794
N88-14271*	c 33	US-PATENT-4,698,028	US-PATENT-APPL-SN-795805	US-PATENT-CLASS-73-810
		NASA-CASE-GSC-12782-1	US-PATENT-CLASS-244-165	US-PATENT-4,718,281
N88-14271*	c 33	US-PATENT-APPL-SN-399074	US-PATENT-4,732,353	NAS 1.71:MSC-21171-1
		US-PATENT-CLASS-357-231	NASA-CASE-LAR-13630-1	NASA-CASE-MSC-21171-1
N88-14271*	c 33	US-PATENT-CLASS-357-24	US-PATENT-APPL-SN-008895	US-PATENT-APPL-SN-135120
		US-PATENT-CLASS-357-30	US-PATENT-CLASS-244-17.19	NAS 1.71:MFS-28273-1
N88-14271*	c 33	US-PATENT-CLASS-357-30	US-PATENT-CLASS-244-91	NASA-CASE-MFS-28273-1
		US-PATENT-CLASS-357-56	US-PATENT-4,708,305	US-PATENT-APPL-SN-149830
N88-14271*	c 33	US-PATENT-CLASS-357-61	NASA-CASE-MSC-21056-1	NASA-CASE-LEW-14212-1
		US-PATENT-CLASS-357-65	US-PATENT-APPL-SN-934397	US-PATENT-APPL-SN-875798
N88-14350*	c 36	US-PATENT-4,709,252	US-PATENT-CLASS-16-292	US-PATENT-CLASS-415-136
		NASA-CASE-ARC-11634-1	US-PATENT-CLASS-16-297	US-PATENT-CLASS-415-170-R
N88-14350*	c 36	US-PATENT-APPL-SN-846427	US-PATENT-CLASS-16-326	US-PATENT-4,728,257
		US-PATENT-CLASS-350-163	US-PATENT-CLASS-16-332	NASA-CASE-MFS-28185-1
N88-14350*	c 36	US-PATENT-CLASS-350-174	US-PATENT-CLASS-16-345	US-PATENT-APPL-SN-056930
		US-PATENT-CLASS-350-572	US-PATENT-CLASS-16-347	US-PATENT-CLASS-294-106
N88-14350*	c 36	US-PATENT-CLASS-350-573	US-PATENT-CLASS-16-349	US-PATENT-CLASS-294-113
		US-PATENT-CLASS-356-28.5	US-PATENT-4,736,490	US-PATENT-CLASS-294-119.2
N88-14350*	c 36	US-PATENT-4,697,922	NASA-CASE-LAR-13411-1-SB	US-PATENT-CLASS-294-16
		NASA-CASE-LAR-13662-1	US-PATENT-APPL-SN-913432	US-PATENT-4,723,800
N88-14359*	c 37	US-PATENT-APPL-SN-790597	US-PATENT-CLASS-180-8.6	NASA-CASE-MFS-29252-1
		US-PATENT-APPL-SN-904812	US-PATENT-CLASS-414-735	US-PATENT-APPL-SN-044181
N88-14359*	c 37	US-PATENT-CLASS-228-107	US-PATENT-CLASS-414-750	US-PATENT-CLASS-219-137.42
		US-PATENT-CLASS-228-109	US-PATENT-CLASS-901-1	US-PATENT-CLASS-219-75
N88-14359*	c 37	US-PATENT-CLASS-228-2.5	US-PATENT-CLASS-901-33	US-PATENT-4,749,839
		US-PATENT-4,708,280	US-PATENT-4,738,583	NASA-CASE-LAR-13435-1
N88-14360*	c 37	NASA-CASE-MFS-28001-2	NASA-CASE-MFS-28142-1	US-PATENT-APPL-SN-890683
		US-PATENT-APPL-SN-025039	US-PATENT-APPL-SN-904128	US-PATENT-CLASS-123-193-P
N88-14360*	c 37	US-PATENT-APPL-SN-739788	US-PATENT-CLASS-204-180-1	US-PATENT-CLASS-92-176
		US-PATENT-CLASS-269-43	US-PATENT-CLASS-204-299-R	US-PATENT-CLASS-92-212
N88-14360*	c 37	US-PATENT-CLASS-269-71	US-PATENT-4,752,372	US-PATENT-CLASS-92-214
		US-PATENT-CLASS-269-73	NASA-CASE-NPO-15609-2	US-PATENT-CLASS-92-222
N88-14360*	c 37	US-PATENT-4,710,330	US-PATENT-APPL-SN-511363	US-PATENT-CLASS-92-224
		NASA-CASE-LAR-13453-1	US-PATENT-APPL-SN-761310	US-PATENT-4,736,676
N88-14361*	c 37	US-PATENT-APPL-SN-010950	US-PATENT-CLASS-159-3	NASA-CASE-LAR-12801-1
		US-PATENT-CLASS-33-147D	US-PATENT-CLASS-159-48.2	US-PATENT-APPL-SN-309291
N88-14361*	c 37	US-PATENT-CLASS-73-834	US-PATENT-CLASS-159-900	US-PATENT-CLASS-188-373
		US-PATENT-4,706,387	US-PATENT-CLASS-203-90	US-PATENT-CLASS-248-548
N88-14362*	c 37	NASA-CASE-MFS-29177-1	US-PATENT-CLASS-203-91	US-PATENT-CLASS-248-608
		US-PATENT-APPL-SN-010942	US-PATENT-CLASS-203-98	US-PATENT-CLASS-297-216
N88-14362*	c 37	US-PATENT-CLASS-219-124.34	US-PATENT-4,666,561	US-PATENT-4,720,139
		US-PATENT-CLASS-219-130.01	NASA-CASE-GSC-13008-1	NASA-CASE-MFS-26009-1-SB
N88-14362*	c 37	US-PATENT-CLASS-219-136	US-PATENT-APPL-SN-867987	US-PATENT-APPL-SN-805011
		US-PATENT-4,698,484	US-PATENT-CLASS-264-DIG.6A	US-PATENT-CLASS-108-3
N88-14492*	c 44	NASA-CASE-ARC-11622-1	US-PATENT-CLASS-264-50	US-PATENT-CLASS-108-7
		US-PATENT-APPL-SN-823712	US-PATENT-CLASS-425-4-R	US-PATENT-CLASS-312-196
N88-14492*	c 44	US-PATENT-CLASS-126-425	US-PATENT-4,731,211	US-PATENT-CLASS-312-208
		US-PATENT-CLASS-250-203R	NAS 1.71:NPO-17334-1-CU	US-PATENT-CLASS-312-300
N88-14492*	c 44	US-PATENT-4,710,618	NASA-CASE-NPO-17334-1-CU	US-PATENT-CLASS-312-7.2
		NASA-CASE-MFS-26008-1-CU	US-PATENT-APPL-SN-149821	US-PATENT-4,725,106
N88-14835*	c 76	US-PATENT-APPL-SN-800194	NASA-CASE-MSC-20181-1	NASA-CASE-NPO-16462-1-CU
		US-PATENT-CLASS-156-621	US-PATENT-APPL-SN-392093	US-PATENT-APPL-SN-815106
N88-14835*	c 76	US-PATENT-CLASS-156-622	US-PATENT-CLASS-174-52-PE	US-PATENT-CLASS-364-728
		US-PATENT-CLASS-156-624	US-PATENT-CLASS-174-52-R	US-PATENT-CLASS-364-757
N88-14835*	c 76	US-PATENT-CLASS-422-251	US-PATENT-CLASS-174-52-S	US-PATENT-CLASS-382-42
		US-PATENT-CLASS-422-260	US-PATENT-CLASS-357-72	US-PATENT-4,750,144
N88-14835*	c 76	US-PATENT-4,711,697	US-PATENT-CLASS-357-81	NASA-CASE-NPO-16675-1-CU
		NASA-CASE-NPO-16607-1-CU	US-PATENT-CLASS-525-425	US-PATENT-APPL-SN-627537
N88-14835*	c 76	US-PATENT-APPL-SN-901114	US-PATENT-4,750,031	US-PATENT-APPL-SN-789266
		US-PATENT-CLASS-357-30	NASA-CASE-LAR-13202-1	US-PATENT-CLASS-181-0.5
N88-14835*	c 76	US-PATENT-CLASS-437-128	US-PATENT-APPL-SN-879758	US-PATENT-CLASS-367-191
		US-PATENT-CLASS-437-131	US-PATENT-CLASS-315-200-R	US-PATENT-CLASS-73-505
N88-14835*	c 76	US-PATENT-CLASS-437-3	US-PATENT-CLASS-315-227-R	US-PATENT-4,573,356
		US-PATENT-CLASS-437-7	US-PATENT-CLASS-315-241-R	US-PATENT-4,736,815
N88-14835*	c 76	US-PATENT-CLASS-437-8	US-PATENT-CLASS-315-254	NASA-CASE-MFS-28122-1
		US-PATENT-CLASS-437-969	US-PATENT-CLASS-315-255	US-PATENT-APPL-SN-021100
N88-14835*	c 76	US-PATENT-4,711,857	US-PATENT-CLASS-315-276	US-PATENT-CLASS-250-251
		NAS 1.71:ARC-11641-1	US-PATENT-CLASS-315-277	US-PATENT-CLASS-250-423-R
N88-18628*	c 24	NASA-CASE-ARC-11641-1	US-PATENT-CLASS-315-296	US-PATENT-CLASS-250-427
		US-PATENT-APPL-SN-862925	US-PATENT-4,723,096	US-PATENT-CLASS-315-111.41
N88-18628*	c 24	US-PATENT-CLASS-244-117-A	NAS 1.71:NPO-17291-1-CU	US-PATENT-CLASS-315-111.71
		US-PATENT-CLASS-244-158-A	NASA-CASE-NPO-17291-1-CU	US-PATENT-CLASS-315-111.81
N88-18628*	c 24	US-PATENT-CLASS-428-44	NASA-CASE-MSC-20841-2	US-PATENT-4,742,232
		US-PATENT-CLASS-428-74	US-PATENT-APPL-SN-032679	NASA-CASE-NPO-16681-1-CU
N88-18628*	c 24	US-PATENT-CLASS-428-76	US-PATENT-APPL-SN-755288	US-PATENT-APPL-SN-764812
		US-PATENT-CLASS-428-920	US-PATENT-CLASS-126-423	US-PATENT-CLASS-204-192.15
N88-18725*	c 27	US-PATENT-4,713,275	US-PATENT-CLASS-165-1	US-PATENT-CLASS-204-192.24
		NAS 1.71:LAR-13447-1	US-PATENT-CLASS-165-104.14	US-PATENT-4,726,890
N88-18725*	c 27	NASA-CASE-LAR-13447-1	US-PATENT-CLASS-165-13	NASA-CASE-MFS-28137-1
		US-PATENT-APPL-SN-855879	US-PATENT-CLASS-165-41	US-PATENT-APPL-SN-925189
N88-18725*	c 27	US-PATENT-CLASS-525-397	US-PATENT-4,664,177	US-PATENT-CLASS-156-DIG.70
		US-PATENT-CLASS-525-905	US-PATENT-4,750,543	US-PATENT-CLASS-156-DIG.72
N88-18725*	c 27	US-PATENT-4,711,932	NAS 1.71:MFS-28287-1	US-PATENT-CLASS-156-DIG.82
		NASA-CASE-LAR-13436-1-CU	NASA-CASE-MFS-28287-1	US-PATENT-CLASS-156-607
N88-23759*	c 02	US-PATENT-APPL-SN-003676	US-PATENT-APPL-SN-122740	US-PATENT-CLASS-156-621
		US-PATENT-CLASS-73-147	NAS 1.71:LAR-13519-1	US-PATENT-CLASS-156-624
N88-23759*	c 02	US-PATENT-CLASS-73-178-R	NASA-CASE-LAR-13519-1	US-PATENT-CLASS-422-246
		US-PATENT-4,727,751	US-PATENT-APPL-SN-146938	US-PATENT-4,738,831
N88-23765*	c 05	NASA-CASE-LAR-13511-1	NASA-CASE-MSC-20467-1	NASA-CASE-MFS-28144-1
		US-PATENT-APPL-SN-013801	US-PATENT-APPL-SN-874319	US-PATENT-APPL-SN-924399

			US-PATENT-CLASS-156-DIG.70				US-PATENT-CLASS-549-241				US-PATENT-CLASS-340-580
			US-PATENT-CLASS-156-DIG.72				US-PATENT-4,758,380				US-PATENT-4,766,369
			US-PATENT-CLASS-156-DIG.82			N88-26541* #	c 32		N88-29150* #	c 35	NASA-CASE-LAR-13826-1
			US-PATENT-CLASS-156-DIG.84				NASA-CASE-NPO-17184-1-CU				US-PATENT-APPL-SN-102705
			US-PATENT-CLASS-156-DIG.89				US-PATENT-APPL-SN-195225				US-PATENT-APPL-SN-684186
			US-PATENT-CLASS-156-DIG.92			N88-26568* #	c 32				US-PATENT-APPL-SN-890982
			US-PATENT-CLASS-156-620.76				NASA-CASE-MSC-20912-1				US-PATENT-CLASS-73-290-R
			US-PATENT-4,740,264				US-PATENT-APPL-SN-831193				US-PATENT-CLASS-73-304-R
N88-24660* #	c 16		NAS 1.71:MSC-21330-1				US-PATENT-CLASS-342-125				US-PATENT-4,765,187
			NASA-CASE-MSC-21330-1				US-PATENT-CLASS-342-127		N88-29151* #	c 35	NASA-CASE-NPO-17068-1-CU
			US-PATENT-APPL-SN-182000				US-PATENT-CLASS-342-43				US-PATENT-APPL-SN-076956
N88-24684* #	c 20		NAS 1.71:MSC-21299-1				US-PATENT-CLASS-342-51				US-PATENT-CLASS-60-527
			NASA-CASE-MSC-21299-1			N88-26596* #	c 33				US-PATENT-4,765,139
			US-PATENT-APPL-SN-176587				NASA-CASE-NPO-17157-1-CU		N88-29180* #	c 37	NASA-CASE-MSC-21207-1
N88-24692* #	c 23		NASA-CASE-ARC-11428-3				US-PATENT-APPL-SN-116810				US-PATENT-APPL-SN-032818
			US-PATENT-APPL-SN-599126				US-PATENT-CLASS-331-162				US-PATENT-CLASS-403-171
			US-PATENT-APPL-SN-760374				US-PATENT-CLASS-331-3				US-PATENT-CLASS-403-217
			US-PATENT-APPL-SN-924467				US-PATENT-CLASS-331-94.1				US-PATENT-CLASS-52-646
			US-PATENT-CLASS-558-80			N88-28914* #	c 05				US-PATENT-CLASS-52-648
			US-PATENT-CLASS-564-13				NASA-CASE-ARC-11636-1				US-PATENT-4,763,459
			US-PATENT-4,550,177				US-PATENT-APPL-SN-933963		N88-29181* #	c 37	NASA-CASE-MSC-21132-1
			US-PATENT-4,634,759				US-PATENT-CLASS-244-12.3				US-PATENT-APPL-SN-118992
			US-PATENT-4,748,263				US-PATENT-CLASS-244-12.4				US-PATENT-CLASS-188-218-XL
N88-24732* #	c 25		NASA-CASE-NPO-16907-1-CU				US-PATENT-CLASS-244-207				US-PATENT-CLASS-188-251-A
			US-PATENT-APPL-SN-930217				US-PATENT-CLASS-244-55				US-PATENT-4,763,762
			US-PATENT-CLASS-204-157.22				US-PATENT-4,767,083		N88-29310* #	c 60	NASA-CASE-NPO-16116-2
			US-PATENT-CLASS-250-423-P			N88-28939* #	c 09				US-PATENT-APPL-SN-004282
			US-PATENT-CLASS-250-427				NASA-CASE-LEW-14374-1				US-PATENT-APPL-SN-587749
			US-PATENT-4,704,197				US-PATENT-APPL-SN-060200				US-PATENT-CLASS-364-200
N88-24817* #	c 31		NAS 1.71:MFS-28248-1				US-PATENT-CLASS-219-383				US-PATENT-4,766,533
			NASA-CASE-MFS-28248-1				US-PATENT-CLASS-363-97		N88-29602* #	c 76	NAS 1.71:MFS-28282-1
			US-PATENT-APPL-SN-176545				US-PATENT-CLASS-60-203.1				NASA-CASE-MFS-28282-1
N88-24862* #	c 33		NASA-CASE-NPO-16402-2			N88-28946* #	c 17				US-PATENT-APPL-SN-217533
			US-PATENT-APPL-SN-013803				NAS 1.71:NPO-17310-1-CU		N88-30108* #	c 35	NASA-CASE-LAR-13797-1
			US-PATENT-APPL-SN-727931				NASA-CASE-NPO-17310-1-CU				US-PATENT-APPL-SN-074792
			US-PATENT-CLASS-307-106			N88-28958* #	c 18				US-PATENT-APPL-SN-831372
			US-PATENT-CLASS-315-172				NASA-CASE-MSC-21117-1				US-PATENT-CLASS-156-233
			US-PATENT-CLASS-315-173				US-PATENT-APPL-SN-929875				US-PATENT-CLASS-156-247
			US-PATENT-CLASS-328-67				US-PATENT-CLASS-52-646				US-PATENT-CLASS-156-272.4
			US-PATENT-4,698,518				US-PATENT-CLASS-52-648				US-PATENT-CLASS-156-274.8
N88-24863* #	c 33		NAS 1.71:NPO-16882-1-CU			N88-29002* #	c 25				US-PATENT-CLASS-156-275.5
			NASA-CASE-NPO-16882-1-CU				NASA-CASE-LAR-13528-1				US-PATENT-CLASS-156-307.7
			US-PATENT-APPL-SN-154711				US-PATENT-APPL-SN-933962				US-PATENT-4,767,484
N88-24927* #	c 35		NASA-CASE-MSC-20549-2				US-PATENT-CLASS-236-15-E		N88-30131* #	c 37	NASA-CASE-MSC-20900-1
			US-PATENT-APPL-SN-045743				US-PATENT-CLASS-364-500				US-PATENT-APPL-SN-079317
			US-PATENT-APPL-SN-790596				US-PATENT-CLASS-364-557				US-PATENT-CLASS-219-121.54
			US-PATENT-CLASS-254-93-H				US-PATENT-CLASS-364-571				US-PATENT-CLASS-219-121.56
			US-PATENT-CLASS-254-93-R				US-PATENT-CLASS-374-36				US-PATENT-CLASS-219-121.57
			US-PATENT-CLASS-269-147				US-PATENT-CLASS-431-13				US-PATENT-CLASS-219-124.02
			US-PATENT-CLASS-269-246				US-PATENT-CLASS-431-76				US-PATENT-CLASS-219-130.4
			US-PATENT-CLASS-72-750			N88-29040* #	c 27				US-PATENT-4,766,286
			US-PATENT-4,736,927				NASA-CASE-ARC-11649-1-SB		N88-30160* #	c 39	NAS 1.71:LAR-13889-1
N88-24941* #	c 35		NAS 1.71:MSC-21094-1				US-PATENT-APPL-SN-890577				NASA-CASE-LAR-13889-1
			NASA-CASE-MSC-21094-1				US-PATENT-CLASS-501-88				US-PATENT-APPL-SN-210277
			US-PATENT-APPL-SN-156393				US-PATENT-CLASS-501-91		N89-11738* #	c 05	NASA-CASE-LAR-12852-1
N88-24943* #	c 35		NAS 1.71:NPO-17024-1-CU				US-PATENT-CLASS-501-92				US-PATENT-APPL-SN-028832
			NASA-CASE-NPO-17024-1-CU				US-PATENT-CLASS-501-93				US-PATENT-CLASS-244-75-R
			US-PATENT-APPL-SN-159613				US-PATENT-CLASS-528-10				US-PATENT-CLASS-244-78
N88-24958* #	c 36		NASA-CASE-MSC-20867-1				US-PATENT-CLASS-528-30				US-PATENT-4,773,620
			US-PATENT-APPL-SN-045984				US-PATENT-CLASS-528-4		N89-11814* #	c 23	NAS 1.71:LAR-13988-1
			US-PATENT-CLASS-356-1				US-PATENT-4,767,728				NASA-CASE-LAR-13988-1
			US-PATENT-CLASS-356-376			N88-29052* #	c 31				US-PATENT-APPL-SN-250661
			US-PATENT-CLASS-356-4				NASA-CASE-MSC-18172-3				NASA-CASE-MSC-20873-1-SB
			US-PATENT-CLASS-358-107				US-PATENT-APPL-SN-119334		N89-11961* #	c 32	US-PATENT-APPL-SN-060196
			US-PATENT-CLASS-364-561				US-PATENT-APPL-SN-755960				US-PATENT-CLASS-342-374
			US-PATENT-4,736,247				US-PATENT-APPL-SN-898449				US-PATENT-CLASS-342-375
N88-24969* #	c 37		NAS 1.71:MSC-21354-1				US-PATENT-CLASS-210-500.25				US-PATENT-CLASS-343-777
			NASA-CASE-MSC-21354-1				US-PATENT-CLASS-210-500.35				US-PATENT-CLASS-343-778
			US-PATENT-APPL-SN-154712				US-PATENT-CLASS-210-639				US-PATENT-CLASS-343-779
N88-25011* #	c 39		NAS 1.71:LAR-13705-1				US-PATENT-CLASS-210-653				US-PATENT-4,772,893
			NASA-CASE-LAR-13705-1			N88-29076* #	c 32		N89-12048* #	c 35	NASA-CASE-LEW-14297-1
			US-PATENT-APPL-SN-203177				NASA-CASE-NPO-17196-1-CU				US-PATENT-APPL-SN-917125
N88-25301* #	c 74		NAS 1.71:NPO-17139-1-CU				US-PATENT-APPL-SN-084770				US-PATENT-CLASS-126-443
			NASA-CASE-NPO-17139-1-CU				US-PATENT-CLASS-328-155				US-PATENT-CLASS-126-901
			US-PATENT-APPL-SN-154718				US-PATENT-CLASS-331-17				US-PATENT-CLASS-165-41
N88-25302* #	c 74		NAS 1.71:LAR-13387-1				US-PATENT-CLASS-331-25				US-PATENT-CLASS-165-904
			NASA-CASE-LAR-13387-1				US-PATENT-4,771,250				US-PATENT-4,770,232
			US-PATENT-APPL-SN-154716				NAS 1.71:NPO-17233-1-CU		N89-12551* #	c 02	NASA-CASE-LAR-13554-1
N88-25304* #	c 74		NAS 1.71:NPO-17207-1-CU				NASA-CASE-NPO-17233-1-CU				US-PATENT-APPL-SN-929862
			NASA-CASE-NPO-17207-1-CU				US-PATENT-APPL-SN-231025				US-PATENT-CLASS-116-DIG.43
			US-PATENT-APPL-SN-190185			N88-29132* #	c 34				US-PATENT-CLASS-116-265
N88-25305* #	c 74		NAS 1.71:NPO-17144-1-CU				NASA-CASE-MSC-20840-1				US-PATENT-CLASS-73-147
			NASA-CASE-NPO-17144-1-CU				US-PATENT-APPL-SN-943346				US-PATENT-4,774,835
			US-PATENT-APPL-SN-187716				US-PATENT-CLASS-165-170		N89-12621* #	c 18	NASA-CASE-MSC-21096-1
N88-26398* #	c 18		NASA-CASE-MSC-20985-1				US-PATENT-CLASS-165-81				US-PATENT-APPL-SN-929865
			US-PATENT-APPL-SN-904134			N88-29133* #	c 34				US-PATENT-CLASS-182-103
			US-PATENT-CLASS-104-172.1				NASA-CASE-GSC-13019-1				US-PATENT-CLASS-212-225
			US-PATENT-CLASS-104-35				US-PATENT-APPL-SN-942158				US-PATENT-CLASS-212-257
			US-PATENT-CLASS-104-49				US-PATENT-CLASS-122-366				US-PATENT-CLASS-414-689
			US-PATENT-CLASS-244-159				US-PATENT-CLASS-138-38				US-PATENT-CLASS-414-718
			US-PATENT-4,757,767				US-PATENT-CLASS-165-104.26				US-PATENT-CLASS-414-735
N88-26404* #	c 23		NASA-CASE-LEW-14345-1				US-PATENT-CLASS-165-905				US-PATENT-4,772,175
			US-PATENT-APPL-SN-924474			N88-29149* #	c 35		N89-12667* #	c 23	NASA-CASE-LAR-13444-2-CU
			US-PATENT-CLASS-260-386				US-PATENT-APPL-SN-054980				US-PATENT-APPL-SN-000692
			US-PATENT-CLASS-260-389				US-PATENT-APPL-SN-846429				US-PATENT-CLASS-564-315
			US-PATENT-CLASS-260-395				US-PATENT-CLASS-244-134-F				US-PATENT-CLASS-564-323
							US-PATENT-CLASS-324-61-R				

			US-PATENT-CLASS-564-330				US-PATENT-CLASS-420-62				US-PATENT-4,807,834
			US-PATENT-CLASS-564-342				US-PATENT-CLASS-420-79		N89-25279*	c 20	NASA-CASE-MSC-20476-2
			US-PATENT-CLASS-564-344				US-PATENT-CLASS-420-80				US-PATENT-APPL-SN-046341
			US-PATENT-CLASS-564-396				US-PATENT-CLASS-420-81				US-PATENT-CLASS-239-265.17
			US-PATENT-CLASS-564-430				US-PATENT-4,780,276				US-PATENT-CLASS-60-202
			US-PATENT-4,774,359		N89-14337*	c 27	NASA-CASE-LAR-13601-1-CU				US-PATENT-CLASS-60-264
N89-12741*	c 27		NASA-CASE-LAR-13506-1				US-PATENT-APPL-SN-028831				US-PATENT-4,815,279
			US-PATENT-APPL-SN-080182				US-PATENT-CLASS-528-125		N89-25363*	c 32	NASA-CASE-LAR-13798-1
			US-PATENT-CLASS-156-297				US-PATENT-CLASS-528-128				US-PATENT-APPL-SN-118995
			US-PATENT-CLASS-156-299				US-PATENT-4,788,271				US-PATENT-CLASS-343-DIG.2
			US-PATENT-CLASS-428-44		N89-14351*	c 31	NASA-CASE-NPO-17143-1-CU				US-PATENT-CLASS-343-880
			US-PATENT-CLASS-428-47				US-PATENT-APPL-SN-105847				US-PATENT-CLASS-343-913
			US-PATENT-CLASS-428-58				US-PATENT-CLASS-62-467				US-PATENT-4,811,035
			US-PATENT-CLASS-428-71				US-PATENT-CLASS-62-514-JT		N89-25689*	c 74	NASA-CASE-MFS-29348-1
			US-PATENT-CLASS-428-76				US-PATENT-4,779,428				US-PATENT-APPL-SN-156518
			US-PATENT-4,774,118		N89-14374*	c 32	NASA-CASE-GSC-12892-1				US-PATENT-CLASS-350-96.2
N89-12785*	c 31		NASA-CASE-NPO-17085-1-CU				US-PATENT-APPL-SN-655606				US-PATENT-CLASS-350-96.25
			US-PATENT-APPL-SN-087282				US-PATENT-CLASS-455-115				US-PATENT-4,798,433
			US-PATENT-CLASS-165-61				US-PATENT-CLASS-455-117		N89-26202*	c 35	NASA-CASE-MFS-28242-1
			US-PATENT-CLASS-165-96				US-PATENT-CLASS-455-67				US-PATENT-APPL-SN-149822
			US-PATENT-CLASS-62-467				US-PATENT-CLASS-455-98				US-PATENT-CLASS-356-347
			US-PATENT-CLASS-62-514-R				US-PATENT-4,777,656				US-PATENT-CLASS-356-361
N89-12786*	c 31		US-PATENT-4,771,823		N89-14384*	c 33	NASA-CASE-ARC-11536-1				US-PATENT-4,810,094
			NASA-CASE-LAR-13438-1				US-PATENT-APPL-SN-725714		N89-26400*	c 60	NASA-CASE-NPO-16461-1-CU
			US-PATENT-APPL-SN-022298				US-PATENT-CLASS-342-195				US-PATENT-APPL-SN-815103
			US-PATENT-CLASS-428-182				US-PATENT-CLASS-356-28.5				US-PATENT-CLASS-364-131
			US-PATENT-CLASS-52-814				US-PATENT-CLASS-364-900				US-PATENT-CLASS-382-41
			US-PATENT-CLASS-52-821				US-PATENT-4,779,222				US-PATENT-CLASS-382-42
			US-PATENT-4,769,968		N89-14385*	c 33	NASA-CASE-LAR-13552-1-CU				US-PATENT-CLASS-382-49
N89-12841*	c 35		NASA-CASE-LAR-13569-1				US-PATENT-APPL-SN-933941				US-PATENT-4,790,026
			US-PATENT-APPL-SN-010943				US-PATENT-CLASS-324-77-E		N89-28553*	c 18	NASA-CASE-MSC-21211-1
			US-PATENT-CLASS-73-147				US-PATENT-CLASS-324-77-R				US-PATENT-APPL-SN-105841
			US-PATENT-CLASS-73-180				US-PATENT-CLASS-324-78-D				US-PATENT-CLASS-244-159
			US-PATENT-4,770,032				US-PATENT-CLASS-324-78-F				US-PATENT-CLASS-244-161
N89-12842* #	c 35		NAS 1.71:MSC-21372-1				US-PATENT-CLASS-356-28.5				US-PATENT-CLASS-285-226
			NASA-CASE-MSC-21372-1				US-PATENT-CLASS-364-484				US-PATENT-CLASS-403-51
			US-PATENT-APPL-SN-246595				US-PATENT-CLASS-377-39				US-PATENT-4,809,936
N89-12866* #	c 37		NAS 1.71:MSC-21095-1				US-PATENT-4,786,168		N89-28554*	c 18	NASA-CASE-MSC-21117-2
			NASA-CASE-MSC-21095-1		N89-14392*	c 34	NASA-CASE-MFS-28217-1				US-PATENT-APPL-SN-184233
			US-PATENT-APPL-SN-248010				US-PATENT-APPL-SN-067844				US-PATENT-APPL-SN-929875
N89-12867* #	c 37		NAS 1.71:LAR-13719-1				US-PATENT-CLASS-122-366				US-PATENT-CLASS-248-DIG-1
			NASA-CASE-LAR-13719-1				US-PATENT-CLASS-165-104.14				US-PATENT-CLASS-403-30
			US-PATENT-APPL-SN-239260				US-PATENT-CLASS-165-104.26				US-PATENT-CLASS-403-4
N89-12868* #	c 37		NAS 1.71:MFS-29291-1				US-PATENT-4,770,238				US-PATENT-CLASS-52-573
			NASA-CASE-MFS-29291-1		N89-14407*	c 35	NASA-CASE-LAR-13300-1-CU				US-PATENT-CLASS-52-648
			US-PATENT-APPL-SN-250196				US-PATENT-APPL-SN-829042				US-PATENT-4,805,368
N89-13236*	c 71		NASA-CASE-NPO-16896-1-CU				US-PATENT-CLASS-310-338		N89-28556* #	c 18	NAS 1.71:MFS-28327-1
			US-PATENT-APPL-SN-087283				US-PATENT-CLASS-367-908				NASA-CASE-MFS-28327-1
			US-PATENT-CLASS-73-505				US-PATENT-CLASS-73-290-V				US-PATENT-APPL-SN-361200
			US-PATENT-4,773,266				US-PATENT-4,770,038		N89-28603* #	c 25	NAS 1.71:MFS-26049-1-NP
N89-13253* #	c 74		NAS 1.71:MFS-28183-1		N89-14422*	c 35	NASA-CASE-NPO-17086-1-CU				NASA-CASE-MFS-26049-1-NP
			NASA-CASE-MFS-28183-1				US-PATENT-APPL-SN-087359				US-PATENT-APPL-SN-376487
			US-PATENT-APPL-SN-244367				US-PATENT-CLASS-73-505		N89-28621*	c 26	NASA-CASE-LAR-13924-1-CU
N89-13785*	c 37		NASA-CASE-NPO-16766-1-CU				US-PATENT-4,777,823				US-PATENT-APPL-SN-172102
			US-PATENT-APPL-SN-921577		N89-14423*	c 35	NASA-CASE-LAR-13853-1				US-PATENT-CLASS-148-159
			US-PATENT-CLASS-194-902				US-PATENT-APPL-SN-143436				US-PATENT-CLASS-148-416
			US-PATENT-CLASS-269-267				US-PATENT-CLASS-73-147				US-PATENT-CLASS-148-417
			US-PATENT-CLASS-294-88				US-PATENT-CLASS-73-861.65				US-PATENT-CLASS-420-529
			US-PATENT-4,770,455				US-PATENT-4,783,994				US-PATENT-CLASS-420-533
N89-13786*	c 37		NASA-CASE-KSC-11368-1		N89-15379*	c 35	NASA-CASE-MSC-20906-2				US-PATENT-4,820,488
			US-PATENT-APPL-SN-052940				US-PATENT-APPL-SN-021569		N89-28672*	c 32	NASA-CASE-LAR-13747-1-CU
			US-PATENT-CLASS-285-107				US-PATENT-CLASS-244-164				US-PATENT-APPL-SN-197191
			US-PATENT-CLASS-285-108				US-PATENT-CLASS-244-165				US-PATENT-CLASS-342-1
			US-PATENT-CLASS-285-109				US-PATENT-CLASS-74-572				US-PATENT-CLASS-342-165
			US-PATENT-CLASS-285-133.1				US-PATENT-4,776,541				US-PATENT-CLASS-342-5
			US-PATENT-CLASS-285-351				NASA-CASE-ARC-11533-2				US-PATENT-4,809,003
			US-PATENT-CLASS-285-39		N89-16042*	c 27	US-PATENT-APPL-SN-852481		N89-28676*	c 32	NASA-CASE-NPO-17249-1-CU
			US-PATENT-CLASS-285-97				US-PATENT-CLASS-528-220				US-PATENT-APPL-SN-125666
			US-PATENT-4,772,050				US-PATENT-CLASS-528-228				US-PATENT-CLASS-358-88
N89-13889* #	c 54		NAS 1.71:MSC-21364-1				US-PATENT-CLASS-528-321				US-PATENT-CLASS-358-91
			NASA-CASE-MSC-21364-1				US-PATENT-CLASS-528-322				US-PATENT-CLASS-358-92
			US-PATENT-APPL-SN-221472				US-PATENT-CLASS-528-353				US-PATENT-4,819,064
N89-14077*	c 74		NASA-CASE-NPO-17140-1-CU				US-PATENT-CLASS-528-72		N89-28713*	c 33	NASA-CASE-NPO-17108-1-CU
			US-PATENT-APPL-SN-125021				US-PATENT-CLASS-528-73				US-PATENT-APPL-SN-032819
			US-PATENT-CLASS-250-216				US-PATENT-4,775,740				US-PATENT-CLASS-364-724.01
			US-PATENT-CLASS-350-354		N89-16256*	c 52	NASA-CASE-ARC-11426-2				US-PATENT-CLASS-364-724.05
			US-PATENT-4,772,785				US-PATENT-APPL-SN-827185				US-PATENT-CLASS-364-735
N89-14078*	c 74		NASA-CASE-NPO-16750-1-CU				US-PATENT-CLASS-351-203				US-PATENT-CLASS-364-754
			US-PATENT-APPL-SN-927972				US-PATENT-CLASS-351-237				US-PATENT-4,823,299
			US-PATENT-CLASS-350-162.13				US-PATENT-4,778,268		N89-28795* #	c 35	NAS 1.71:NPO-17596-1-CU
			US-PATENT-CLASS-350-331-R		N89-23466* #	c 07	NAS 1.71:LAR-14049-1				NASA-CASE-NPO-17596-1-CU
			US-PATENT-CLASS-350-337				NASA-CASE-LAR-14049-1				US-PATENT-APPL-SN-361531
			US-PATENT-CLASS-350-342		N89-23623* #	c 24	US-PATENT-APPL-SN-270189		N89-28817* #	c 36	NAS 1.71:LAR-14203-1
			US-PATENT-CLASS-382-31				NAS 1.71:LEW-14734-1				NASA-CASE-LAR-14203-1
			US-PATENT-4,772,101				NASA-CASE-LEW-14734-1				US-PATENT-APPL-SN-359459
N89-14120* #	c 76		NAS 1.71:NPO-17399-1-CU				US-PATENT-APPL-SN-279624		N89-28831*	c 37	NASA-CASE-MFS-28253-1
			NASA-CASE-NPO-17399-1-CU		N89-25242*	c 09	NASA-CASE-MFS-25962-1				US-PATENT-APPL-SN-165943
			US-PATENT-APPL-SN-248019				US-PATENT-APPL-SN-633180				US-PATENT-CLASS-33-536
N89-14224*	c 02		NASA-CASE-LAR-13215-1				US-PATENT-CLASS-239-14.1				US-PATENT-4,809,441
			US-PATENT-APPL-SN-904132				US-PATENT-CLASS-239-2.1		N89-28842* #	c 37	NAS 1.71:MFS-28345-2
			US-PATENT-CLASS-244-35-R				US-PATENT-4,781,326				NASA-CASE-MFS-28345-2
			US-PATENT-CLASS-416-223-R		N89-25266*	c 18	NASA-CASE-ARC-11505-2				US-PATENT-APPL-SN-358028
			US-PATENT-4,776,531				US-PATENT-APPL-SN-159072		N89-28846* #	c 37	NAS 1.71:NPO-17785-1-CU
N89-14303*	c 26		NASA-CASE-LEW-14134-2				US-PATENT-CLASS-244-159				NASA-CASE-NPO-17785-1-CU
			US-PATENT-APPL-SN-108331				US-PATENT-CLASS-244-161				US-PATENT-APPL-SN-353411
			US-PATENT-CLASS-420-54				US-PATENT-CLASS-285-302		N89-29169*	c 72	NASA-CASE-NPO-16789-1-CU

			US-PATENT-APPL-SN-154713				US-PATENT-4,842,224				US-PATENT-CLASS-425-435
			US-PATENT-CLASS-250-252				NASA-CASE-GSC-13008-2				US-PATENT-CLASS-425-73
			US-PATENT-CLASS-250-397				US-PATENT-APPL-SN-163928				US-PATENT-CLASS-425-75
			US-PATENT-4,818,868				US-PATENT-CLASS-521-145				US-PATENT-4,839,121
N89-29538*	c 27		NASA-CASE-LEW-14392-2				US-PATENT-CLASS-521-178		N90-19427*	c 31	NASA-CASE-LAR-13638-1
			US-PATENT-APPL-SN-038560				US-PATENT-CLASS-521-189				US-PATENT-APPL-SN-223124
			US-PATENT-APPL-SN-886149				US-PATENT-CLASS-521-82				US-PATENT-CLASS-156-344
			US-PATENT-CLASS-428-288				US-PATENT-CLASS-521-97				US-PATENT-CLASS-244-133
			US-PATENT-CLASS-428-367				US-PATENT-CLASS-521-98				US-PATENT-CLASS-427-272
			US-PATENT-CLASS-428-375				US-PATENT-4,843,123				US-PATENT-4,851,071
			US-PATENT-CLASS-428-390				NASA-CASE-LAR-13821-1		N90-19492*	c 33	NASA-CASE-MFS-29149-1
			US-PATENT-CLASS-428-408				US-PATENT-APPL-SN-071686				US-PATENT-APPL-SN-073541
			US-PATENT-CLASS-428-698				US-PATENT-CLASS-524-233				US-PATENT-CLASS-323-354
			US-PATENT-4,781,993				US-PATENT-CLASS-524-366				US-PATENT-CLASS-324-62
N89-29539*	c 27		NASA-CASE-MSC-21169-1				US-PATENT-CLASS-524-378				US-PATENT-CLASS-384-481
			US-PATENT-APPL-SN-044183				US-PATENT-CLASS-524-600				US-PATENT-CLASS-384-482
			US-PATENT-CLASS-264-DIG-59				US-PATENT-CLASS-524-607				US-PATENT-4,849,903
			US-PATENT-CLASS-264-236				US-PATENT-CLASS-528-125		N90-19534*	c 34	NASA-CASE-LAR-13952-1-SB
			US-PATENT-CLASS-264-257				US-PATENT-CLASS-528-353				US-PATENT-APPL-SN-203178
			US-PATENT-CLASS-264-347				US-PATENT-4,837,300				US-PATENT-CLASS-73-432.1
			US-PATENT-CLASS-264-40.1				NASA-CASE-NPO-17325-1-CU				US-PATENT-4,848,153
			US-PATENT-CLASS-264-40.5				US-PATENT-APPL-SN-184235		N90-19602*	c 37	NASA-CASE-MFS-29260-1
			US-PATENT-CLASS-264-40.6				US-PATENT-CLASS-324-78D				US-PATENT-APPL-SN-156059
			US-PATENT-4,810,438				US-PATENT-CLASS-324-782				US-PATENT-CLASS-219-72
N89-29577* #	c 31		NAS 1.71:NPO-17630-1-CU				US-PATENT-4,843,328				US-PATENT-CLASS-219-74
			NASA-CASE-NPO-17630-1-CU				NAS 1.71:NPO-17621-1-CU		N90-19776*	c 62	NASA-CASE-NPO-16949-1-CU
			US-PATENT-APPL-SN-304149				US-PATENT-APPL-SN-414820				US-PATENT-APPL-SN-927987
N89-29578*	c 31		NASA-CASE-GSC-13112-1				NAS 1.71:NPO-17786-1-CU				US-PATENT-CLASS-370-16
			US-PATENT-APPL-SN-205771				NASA-CASE-NPO-17786-1-CU				US-PATENT-CLASS-371-8
			US-PATENT-CLASS-206-0.7				US-PATENT-APPL-SN-414812				US-PATENT-4,847,837
			US-PATENT-CLASS-220-5A				NASA-CASE-LAR-13710-1		N90-19884*	c 76	NASA-CASE-NPO-17259-1-CU
			US-PATENT-CLASS-220-901				US-PATENT-APPL-SN-210487				US-PATENT-APPL-SN-184234
			US-PATENT-CLASS-62-45				US-PATENT-CLASS-73-147				US-PATENT-CLASS-148-13
			US-PATENT-CLASS-62-48				US-PATENT-CLASS-73-862.61				US-PATENT-CLASS-148-13.1
N89-29679* #	c 33		US-PATENT-4,821,907				US-PATENT-4,836,035				US-PATENT-CLASS-428-641
			NAS 1.71:NPO-17393-1-CU				NASA-CASE-NPO-16617-2-CU				US-PATENT-CLASS-437-903
			NASA-CASE-NPO-17393-1-CU				US-PATENT-APPL-SN-125676		N90-20078*	c 05	NASA-CASE-LAR-13777-1
			US-PATENT-APPL-SN-279676				US-PATENT-CLASS-357-13				US-PATENT-APPL-SN-210480
N89-29681*	c 33		NASA-CASE-NPO-16888-1-CU				US-PATENT-CLASS-357-30				US-PATENT-CLASS-244-130
			US-PATENT-APPL-SN-133412				US-PATENT-CLASS-357-4				US-PATENT-CLASS-244-54
			US-PATENT-CLASS-324-117				US-PATENT-CLASS-357-61				US-PATENT-CLASS-244-55
			US-PATENT-CLASS-324-127				US-PATENT-4,843,439				US-PATENT-4,867,394
			US-PATENT-CLASS-330-8				NASA-CASE-NPO-17824-1-CU		N90-20079*	c 05	NASA-CASE-LAR-14031-1
			US-PATENT-4,823,074				US-PATENT-APPL-SN-159613				US-PATENT-APPL-SN-252081
N89-29750* #	c 37		NAS 1.71:NPO-17275-1-CU				US-PATENT-CLASS-356-43				US-PATENT-CLASS-244-130
			NASA-CASE-NPO-17275-1-CU				US-PATENT-CLASS-374-124				US-PATENT-CLASS-244-137.4
			US-PATENT-APPL-SN-292047				US-PATENT-CLASS-374-126				US-PATENT-4,863,118
N89-29953*	c 54		NASA-CASE-KSC-11322-1				US-PATENT-CLASS-374-130				NASA-CASE-LAR-13734-1-CU
			US-PATENT-APPL-SN-894541				US-PATENT-4,840,496		N90-20096*	c 09	US-PATENT-APPL-SN-082766
			US-PATENT-CLASS-2-201				NASA-CASE-NPO-17354-1-CU				US-PATENT-CLASS-364-427
			US-PATENT-CLASS-24-688				US-PATENT-APPL-SN-184236				US-PATENT-CLASS-73-178-T
			US-PATENT-CLASS-381-183				US-PATENT-CLASS-280-677				US-PATENT-4,843,554
			US-PATENT-CLASS-381-187				US-PATENT-CLASS-280-682		N90-20126*	c 18	NASA-CASE-MSC-21386-1
			US-PATENT-4,783,822				US-PATENT-4,840,394				US-PATENT-APPL-SN-292123
N90-10261* #	c 27		NAS 1.71:NPO-17524-1-CU				NASA-CASE-MFS-28192-1				US-PATENT-CLASS-166-343
			NASA-CASE-NPO-17524-1-CU				US-PATENT-APPL-SN-093417				US-PATENT-CLASS-244-159
			US-PATENT-APPL-SN-366957				US-PATENT-CLASS-24-635				US-PATENT-CLASS-244-161
N90-10717* #	c 75		NAS 1.71:MFS-28368-1				US-PATENT-CLASS-292-27				US-PATENT-CLASS-405-181
			NASA-CASE-MFS-28368-1				US-PATENT-CLASS-292-34				US-PATENT-4,858,857
			US-PATENT-APPL-SN-386174				US-PATENT-CLASS-403-322		N90-20133*	c 23	NASA-CASE-ARC-11425-4
N90-11798* #	c 18		NAS 1.71:MSC-21327-1				US-PATENT-CLASS-403-325				US-PATENT-APPL-SN-054985
			NASA-CASE-MSC-21327-1				US-PATENT-CLASS-403-328				US-PATENT-APPL-SN-493864
			US-PATENT-APPL-SN-292121				US-PATENT-4,836,707				US-PATENT-APPL-SN-522629
N90-11824*	c 25		NASA-CASE-LEW-13609-1				NAS 1.71:LEW-14676-2				US-PATENT-APPL-SN-641152
			US-PATENT-APPL-SN-452465				NASA-CASE-LEW-14676-2				US-PATENT-APPL-SN-558-190
			US-PATENT-CLASS-165-156				US-PATENT-APPL-SN-458467				US-PATENT-4,864,050
			US-PATENT-CLASS-165-81				NAS 1.71:NPO-17812-1-CU		N90-20154*	c 25	NASA-CASE-LAR-13542-2-SB
			US-PATENT-CLASS-165-83				NASA-CASE-NPO-17812-1-CU				US-PATENT-APPL-SN-145719
			US-PATENT-CLASS-431-352				US-PATENT-APPL-SN-387928				US-PATENT-CLASS-204-157.51
			US-PATENT-CLASS-60-730				NASA-CASE-MSC-21356-1				US-PATENT-CLASS-372-59
			US-PATENT-CLASS-60-732				US-PATENT-APPL-SN-165956				US-PATENT-CLASS-502-339
			US-PATENT-4,819,438				US-PATENT-CLASS-114-112				US-PATENT-CLASS-502-352
N90-12289*	c 71		NASA-CASE-NPO-16995-1-CU				US-PATENT-CLASS-114-201R				US-PATENT-CLASS-502-38
			US-PATENT-APPL-SN-924297				US-PATENT-CLASS-244-129.5				US-PATENT-CLASS-502-53
			US-PATENT-CLASS-73-505				US-PATENT-CLASS-244-158R				US-PATENT-4,839,330
			US-PATENT-CLASS-73-571				US-PATENT-CLASS-49-253		N90-20180*	c 25	NASA-CASE-LAR-13741-1-SB
			US-PATENT-4,800,756				US-PATENT-4,842,223				US-PATENT-APPL-SN-090874
N90-15148* #	c 24		NAS 1.71:LAR-14194-1				NASA-CASE-LAR-13773-1				US-PATENT-CLASS-502-325
			NASA-CASE-LAR-14194-1				US-PATENT-APPL-SN-165946				US-PATENT-CLASS-502-339
			US-PATENT-APPL-SN-344877				US-PATENT-CLASS-60-204				US-PATENT-CLASS-502-344
N90-15161* #	c 25		NAS 1.71:LAR-13996-1-SB				US-PATENT-CLASS-60-259				US-PATENT-4,855,274
			NASA-CASE-LAR-13996-1-SB				US-PATENT-CLASS-60-260		N90-20236*	c 29	NASA-CASE-KSC-11387-1
			US-PATENT-APPL-SN-426345				US-PATENT-4,831,818				US-PATENT-APPL-SN-232734
N90-15259* #	c 27		NAS 1.71:LAR-14162-1				NASA-CASE-LEW-14346-1				US-PATENT-CLASS-141-45
			NASA-CASE-LAR-14162-1				US-PATENT-CLASS-528-188				US-PATENT-CLASS-55-160
			US-PATENT-APPL-SN-410572				US-PATENT-CLASS-528-229				US-PATENT-CLASS-55-182
N90-16104* #	c 32		NAS 1.71:NPO-17548-1-CU				US-PATENT-CLASS-528-352				US-PATENT-CLASS-55-205
			NASA-CASE-NPO-17548-1-CU				US-PATENT-CLASS-528-353				US-PATENT-4,848,987
			US-PATENT-APPL-SN-404293				US-PATENT-4,845,167		N90-20254*	c 31	NASA-CASE-MSC-21253-1
N90-16781* #	c 16		NAS 1.71:LAR-14156-1				NASA-CASE-NPO-16901-1-CU				US-PATENT-APPL-SN-251439
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			US-PATENT-APPL-SN-433804				US-PATENT-CLASS-264-114				US-PATENT-CLASS-141-93
N90-16860*	c 18		NASA-CASE-ARC-11635-1				US-PATENT-CLASS-264-311				US-PATENT-CLASS-239-543
			US-PATENT-APPL-SN-110388				US-PATENT-CLASS-425-425				US-PATENT-CLASS-55-159
			US-PATENT-CLASS-2-2.1A								
			US-PATENT-CLASS-244-159								

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		US-PATENT-4,846,854				US-PATENT-CLASS-501-92				US-PATENT-CLASS-165-32
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		US-PATENT-APPL-SN-125677				US-PATENT-CLASS-528-30				US-PATENT-CLASS-165-78
		US-PATENT-CLASS-342-105				US-PATENT-CLASS-528-4				US-PATENT-CLASS-165-96
		US-PATENT-CLASS-342-114				US-PATENT-CLASS-556-402				US-PATENT-4,909,313
		US-PATENT-CLASS-342-195				US-PATENT-4,851,491		N90-22023*	c 35	NASA-CASE-KSC-11386-1
		US-PATENT-4,860,014				NASA-CASE-LAR-13448-1				US-PATENT-APPL-SN-264107
N90-20282*	c 33	NASA-CASE-GSC-12442-2		N90-21198*	c 27	US-PATENT-APPL-SN-838654				US-PATENT-CLASS-324-329
		US-PATENT-APPL-SN-675471				US-PATENT-CLASS-264-022				US-PATENT-4,912,414
		US-PATENT-CLASS-357-22				US-PATENT-CLASS-522-162		N90-22024*	c 35	NASA-CASE-LEW-14844-1
		US-PATENT-CLASS-357-55				US-PATENT-CLASS-522-165				US-PATENT-APPL-SN-326766
		US-PATENT-CLASS-357-68				US-PATENT-CLASS-528-176				US-PATENT-CLASS-210-512.1
		US-PATENT-CLASS-357-76				US-PATENT-CLASS-528-308				US-PATENT-CLASS-210-97
		US-PATENT-CLASS-357-81				US-PATENT-4,910,233				US-PATENT-CLASS-55-160
		US-PATENT-4,843,440		N90-21209*	c 29	NASA-CASE-MFS-26047-1				US-PATENT-CLASS-55-203
N90-20320*	c 33	NASA-CASE-LAR-13273-2				US-PATENT-APPL-SN-244369				US-PATENT-CLASS-55-204
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		US-PATENT-APPL-SN-862942				US-PATENT-CLASS-210-247		N90-22025*	c 35	NASA-CASE-LAR-13816-1
		US-PATENT-CLASS-323-903				US-PATENT-CLASS-210-257.1				US-PATENT-APPL-SN-165945
		US-PATENT-CLASS-361-65				US-PATENT-CLASS-210-321.6				US-PATENT-CLASS-422-111
		US-PATENT-CLASS-361-79				US-PATENT-CLASS-210-340				US-PATENT-CLASS-422-126
		US-PATENT-CLASS-55-105				US-PATENT-CLASS-210-94				US-PATENT-CLASS-422-62
		US-PATENT-CLASS-55-139				US-PATENT-CLASS-210-95				US-PATENT-CLASS-422-98
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		US-PATENT-4,860,149		N90-21215*	c 31	NASA-CASE-NPO-17278-1-CU				US-PATENT-CLASS-436-143
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		US-PATENT-CLASS-165-104				US-PATENT-CLASS-361-383		N90-22042*	c 37	NASA-CASE-LAR-13926-1
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		US-PATENT-CLASS-165-180				US-PATENT-CLASS-361-385				US-PATENT-CLASS-123-193P
		US-PATENT-CLASS-165-41				US-PATENT-CLASS-62-467				US-PATENT-CLASS-29-888.046
		US-PATENT-CLASS-165-905				US-PATENT-4,858,717				US-PATENT-CLASS-92-212
		US-PATENT-4,838,346		N90-21216*	c 31	NASA-CASE-LAR-14050-1				US-PATENT-CLASS-92-213
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		US-PATENT-CLASS-219-121.28				US-PATENT-CLASS-164-113				US-PATENT-4,909,133
		US-PATENT-CLASS-250-310				US-PATENT-CLASS-164-284		N90-22383*	c 74	NASA-CASE-KSC-11392-1
		US-PATENT-CLASS-250-396-ML				US-PATENT-CLASS-249-127				US-PATENT-APPL-SN-262851
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		US-PATENT-CLASS-294-106				US-PATENT-CLASS-357-30				NASA-CASE-LAR-13488-1
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		US-PATENT-CLASS-901-38				US-PATENT-CLASS-357-58				US-PATENT-APPL-SN-076955
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		US-PATENT-CLASS-73-831				US-PATENT-CLASS-102-378		N90-22724*	c 33	INT-PATENT-CLASS-H01J-25/34
		US-PATENT-CLASS-73-860				US-PATENT-CLASS-194-82.26				NASA-CASE-LEW-14520-1
		US-PATENT-4,864,865				US-PATENT-CLASS-194-82.29				US-Patent-4,890,036
N90-20616*	c 52	NASA-CASE-MFS-28234-1				US-PATENT-CLASS-89-1.14				US-PATENT-APPL-SN-130058
		US-PATENT-APPL-SN-087281				US-PATENT-CLASS-89-1.57				US-PATENT-CLASS-315-3
		US-PATENT-CLASS-427-2				US-PATENT-4,864,910				US-PATENT-CLASS-315-3.5
		US-PATENT-CLASS-428-408		N90-21519*	c 52	NASA-CASE-LAR-13901-1-NP				US-PATENT-CLASS-331-82
		US-PATENT-CLASS-530-362				US-PATENT-APPL-SN-118993		N90-22769*	c 35	INT-PATENT-CLASS-B64D-1/00
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		US-PATENT-CLASS-530-364				US-PATENT-CLASS-128-661.03				US-Patent-4,886,222
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		US-PATENT-CLASS-530-422		N90-21525*	c 60	NASA-CASE-NPO-17205-1-CU				US-PATENT-CLASS-244-1R
		US-PATENT-4,833,233				US-PATENT-APPL-SN-143434				US-PATENT-CLASS-244-138A
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		US-PATENT-APPL-SN-441896				US-PATENT-CLASS-377-114		N90-22770*	c 35	INT-PATENT-CLASS-H04N-7/18
		US-PATENT-APPL-SN-811309				US-PATENT-CLASS-377-116				NASA-CASE-LAR-13740-1
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		US-PATENT-CLASS-371-041				US-PATENT-APPL-SN-113956				US-PATENT-CLASS-374-162
		US-PATENT-CLASS-371-043				US-PATENT-CLASS-364-229.4		N90-23242*	c 76	INT-PATENT-CLASS-C30B-7/02
		US-PATENT-CLASS-371-37.4				US-PATENT-CLASS-364-267.9				NASA-CASE-MFS-28206-1-SB
		US-PATENT-CLASS-371-38.1				US-PATENT-CLASS-364-940.67				US-Patent-4,886,646
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		US-PATENT-APPL-SN-221386				US-PATENT-CLASS-364-975.5				US-PATENT-CLASS-156-DIG.72
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		US-PATENT-CLASS-528-322				US-PATENT-4,868,818				US-PATENT-CLASS-156-608
		US-PATENT-CLASS-548-400		N90-21822*	c 24	NASA-CASE-LAR-12887-3				US-PATENT-CLASS-422-245
		US-PATENT-CLASS-548-524				US-PATENT-APPL-SN-323236		N90-23390*	c 05	INT-PATENT-CLASS-B64C-9/02
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		US-PATENT-CLASS-324-209		N90-21951*	c 33	NASA-CASE-NPO-17430-1-CU				US-PATENT-CLASS-244-46
		US-PATENT-CLASS-324-226				US-PATENT-APPL-SN-332677				US-PATENT-CLASS-244-75R
		US-PATENT-CLASS-324-227				US-PATENT-CLASS-318-434				US-PATENT-CLASS-244-90R
		US-PATENT-CLASS-324-235				US-PATENT-CLASS-318-561				US-PATENT-4,917,333
		US-PATENT-CLASS-324-239				US-PATENT-CLASS-318-615		N90-23415*	c 09	INT-PATENT-CLASS-C21D-1/09
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		US-PATENT-CLASS-501-88		N90-21999*	c 34	NASA-CASE-MSC-21271-1				US-PATENT-CLASS-148-4

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 US-PATENT-APPL-SN-567025
 N91-13562* # c 27 NAS 1.71:LAR-14036-1
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				NASA-CASE-NPO-17684-1-CU				US-PATENT-CLASS-156-DIG.62			NASA-CASE-MS-C-21572-1-SB	
				US-PATENT-APPL-SN-443522				US-PATENT-CLASS-422-245			US-PATENT-APPL-SN-648933	
				US-PATENT-CLASS-310-308				US-PATENT-CLASS-422-247			US-PATENT-CLASS-204-129	
				US-PATENT-CLASS-310-309				US-PATENT-5,013,531			US-PATENT-5,110,436	
				US-PATENT-5,084,645	N92-25399* #	c 25		INT-PATENT-CLASS-B44C-1/22	N92-28757*	c 39	..	INT-PATENT-CLASS-G01N-27/80
N92-22043*	c 37	..		INT-PATENT-CLASS-F16J-15/46				INT-PATENT-CLASS-C09K-13/00			INT-PATENT-CLASS-G01R-33/12	
				NASA-CASE-LEW-15085-1				INT-PATENT-CLASS-C23F-1/00			NASA-CASE-LAR-13817-5	
				US-PATENT-APPL-SN-610879				NASA-CASE-MFS-29576-1			US-PATENT-APPL-SN-210486	
				US-PATENT-CLASS-239-265.11				US-PATENT-APPL-SN-587890			US-PATENT-APPL-SN-449211	
				US-PATENT-CLASS-277-229				US-PATENT-CLASS-156-656			US-PATENT-APPL-SN-686263	
				US-PATENT-CLASS-277-234				US-PATENT-CLASS-156-664			US-PATENT-CLASS-324-226	
				US-PATENT-CLASS-277-3				US-PATENT-CLASS-252-79.2			US-PATENT-CLASS-324-235	
				US-PATENT-CLASS-277-34				US-PATENT-CLASS-252-79.4			US-PATENT-CLASS-73-601	
				US-PATENT-CLASS-277-76				US-PATENT-5,034,093			US-PATENT-5,121,058	
N92-22044*	c 27			US-PATENT-5,082,293	N92-28571*	c 74		INT-PATENT-CLASS-H01P-1/18	N92-29090*	c 27	..	INT-PATENT-CLASS-B32B-15/01
				NASA-CASE-LAR-14346-1				NASA-CASE-LEW-14878-1			INT-PATENT-CLASS-B32B-15/20	
				US-PATENT-APPL-SN-250480				US-PATENT-APPL-SN-587921			INT-PATENT-CLASS-B32B-5/02	
				US-PATENT-APPL-SN-434195				US-PATENT-CLASS-333-161			NASA-CASE-LEW-15155-1	
				US-PATENT-CLASS-525-275				US-PATENT-CLASS-333-995			US-PATENT-APPL-SN-682160	
				US-PATENT-CLASS-525-421				US-PATENT-CLASS-505-1			US-PATENT-CLASS-428-614	
				US-PATENT-CLASS-525-422				US-PATENT-CLASS-505-703			US-PATENT-CLASS-428-660	
				US-PATENT-CLASS-526-248				US-PATENT-CLASS-505-848			US-PATENT-CLASS-428-661	
				US-PATENT-CLASS-526-249				US-PATENT-CLASS-505-866			US-PATENT-5,116,690	
				US-PATENT-CLASS-526-262				US-PATENT-5,116,807	N92-29092*	c 37	..	INT-PATENT-CLASS-A47H-1/144
				US-PATENT-5,081,198	N92-28727*	c 37	...	INT-PATENT-CLASS-B64G-1/62			NASA-CASE-LEW-15196-1	
N92-23377* #	c 37	.....		NAS 1.71:GSC-13360-1				NASA-CASE-MS-C-21906-1			US-PATENT-APPL-SN-687606	
				NASA-CASE-GSC-13360-1				US-PATENT-APPL-SN-813558			US-PATENT-CLASS-16-111R	
				US-PATENT-APPL-SN-772200				US-PATENT-CLASS-244-161			US-PATENT-CLASS-16-114R	
N92-23463* #	c 44	.....		NAS 1.71:GSC-13450-1				US-PATENT-CLASS-294-65.5			US-PATENT-CLASS-248-222.1	
				NASA-CASE-GSC-13450-1				US-PATENT-CLASS-294-86.4			US-PATENT-CLASS-248-251	
				US-PATENT-APPL-SN-787993				US-PATENT-CLASS-901-30			US-PATENT-CLASS-256-59	
N92-23464* #	c 33	.....		NAS 1.71:NPO-18428-1-CU				US-PATENT-CLASS-901-46			US-PATENT-5,126,131	
				NASA-CASE-NPO-18428-1-CU				US-PATENT-5,125,601	N92-29094*	c 26		INT-PATENT-CLASS-B23K-1/00
				US-PATENT-APPL-SN-842297	N92-28728*	c 25	..	INT-PATENT-CLASS-G01N-27/26			NASA-CASE-GSC-13344-1	
N92-23544* #	c 37	.....		NAS 1.71:MSC-21864-1				NASA-CASE-MFS-26049-2-NP			US-PATENT-APPL-SN-718046	
				NASA-CASE-MS-C-21864-1				US-PATENT-APPL-SN-376487			US-PATENT-CLASS-219-85.15	
				US-PATENT-APPL-SN-799460				US-PATENT-APPL-SN-599601			US-PATENT-CLASS-219-85.19	
N92-23545* #	c 35	.....		NAS 1.71:MSC-21951-1				US-PATENT-CLASS-204-180.1			US-PATENT-5,126,527	
				NASA-CASE-MS-C-21951-1				US-PATENT-CLASS-204-183.3	N92-29097*	c 35		INT-PATENT-CLASS-G01L-7/08
				US-PATENT-APPL-SN-834451				US-PATENT-CLASS-204-299R			INT-PATENT-CLASS-G01L-9/06	
N92-23546* #	c 60	.....		NAS 1.71:NPO-18491-1-CU				US-PATENT-5,108,568			NASA-CASE-LAR-14579-1	
				NASA-CASE-NPO-18491-1-CU	N92-28729*	c 02	....	INT-PATENT-CLASS-B64C-3/14			US-PATENT-APPL-SN-690198	
				US-PATENT-APPL-SN-880210				NASA-CASE-LAR-14281-1			US-PATENT-CLASS-338-4	
N92-23550* #	c 82	.....		NAS 1.71:SSC-00010-2				US-PATENT-APPL-SN-560923			US-PATENT-CLASS-73-708	
				NASA-CASE-SSC-00010-2				US-PATENT-CLASS-244-35R			US-PATENT-CLASS-73-721	
				US-PATENT-APPL-SN-842956				US-PATENT-CLASS-244-36			US-PATENT-CLASS-73-727	
N92-23551* #	c 74	.....		NAS 1.71:NPO-18702-1-CU				US-PATENT-5,112,120			US-PATENT-CLASS-73-756	
				NASA-CASE-NPO-18702-1-CU	N92-28750*	c 18	...	INT-PATENT-CLASS-B64G-1/64			US-PATENT-5,116,331	
				US-PATENT-APPL-SN-842300				NASA-CASE-MFS-28421-1	N92-29099*	c 37	..	INT-PATENT-CLASS-F16C-32/04
N92-23553* #	c 37	.....		NAS 1.71:NPO-18607-1-CU				US-PATENT-APPL-SN-481537			INT-PATENT-CLASS-H02K-1/14	
				NASA-CASE-NPO-18607-1-CU				US-PATENT-CLASS-244-161			NASA-CASE-GSC-13346-1	
				US-PATENT-APPL-SN-849629				US-PATENT-CLASS-358-103			US-PATENT-APPL-SN-691609	
N92-24042* #	c 37	.....		NAS 1.71:NPO-18499-1-CU				US-PATENT-CLASS-364-459			US-PATENT-CLASS-310-90.5	
				NASA-CASE-NPO-18499-1-CU				US-PATENT-5,109,345			US-PATENT-CLASS-505-876	
				US-PATENT-APPL-SN-862861	N92-28751*	c 27	.....	NASA-CASE-LAR-14145-1			US-PATENT-5,117,139	
N92-24043* #	c 37			NAS 1.71:NPO-18498-1-CU				US-PATENT-APPL-SN-508316	N92-29101*	c 39	..	INT-PATENT-CLASS-G01R-27/72
				NASA-CASE-NPO-18498-1-CU				US-PATENT-APPL-SN-732884			INT-PATENT-CLASS-G01R-33/12	
				US-PATENT-APPL-SN-866779				US-PATENT-CLASS-528-125			NASA-CASE-LAR-13817-4	
N92-24044* #	c 54	.....		NAS 1.71:MFS-28430-1				US-PATENT-CLASS-528-126			US-PATENT-APPL-SN-210486	
				NASA-CASE-MFS-28430-1				US-PATENT-CLASS-528-127			US-PATENT-APPL-SN-449211	
				US-PATENT-APPL-SN-832569				US-PATENT-CLASS-528-128			US-PATENT-APPL-SN-608504	
N92-24045* #	c 62	.....		NAS 1.71:NPO-18414-1-CU				US-PATENT-CLASS-528-220			US-PATENT-CLASS-324-239	
				NASA-CASE-NPO-18414-1-CU				US-PATENT-CLASS-528-224			US-PATENT-5,117,184	
				US-PATENT-APPL-SN-880211	N92-28752*	c 34	..	INT-PATENT-CLASS-F28D-17/00	N92-29117*	c 74		INT-PATENT-CLASS-G02F-1/01
N92-24051* #	c 37	.....		NAS 1.71:MSC-21648-1				NASA-CASE-LAR-14033-1			NASA-CASE-LAR-14588-1-CU	
				NASA-CASE-MS-C-21648-1				US-PATENT-APPL-SN-501909			US-PATENT-APPL-SN-653605	
				US-PATENT-APPL-SN-824806				US-PATENT-CLASS-165-104.31			US-PATENT-CLASS-356-370	
N92-24052* #	c 51	.....		NAS 1.71:MSC-21843-1-NP				US-PATENT-CLASS-165-104.34			US-PATENT-CLASS-356-414	
				NASA-CASE-MS-C-21843-1-NP				US-PATENT-CLASS-165-109.1			US-PATENT-CLASS-359-246	
				US-PATENT-APPL-SN-803828				US-PATENT-CLASS-165-110			US-PATENT-CLASS-359-247	
N92-24053* #	c 27	.....		NAS 1.71:LEW-15027-2				US-PATENT-CLASS-165-110			US-PATENT-CLASS-359-281	
				NASA-CASE-LEW-15027-2				US-PATENT-CLASS-165-4			US-PATENT-5,128,797	
				US-PATENT-APPL-SN-824858				US-PATENT-CLASS-165-41	N92-29120*	c 37		INT-PATENT-CLASS-F16C-9/00
N92-24243* #	c 37	.....		NAS 1.71:GSC-13356-1				US-PATENT-5,107,920			NASA-CASE-GSC-13251-1	
				NASA-CASE-GSC-13356-1	N92-28753*	c 33	...	INT-PATENT-CLASS-H01M-10/40			US-PATENT-APPL-SN-714814	
				US-PATENT-APPL-SN-760634				NASA-CASE-NPO-17922-1-CU			US-PATENT-CLASS-285-381	
N92-24244* #	c 18	.....		NAS 1.71:GSC-13408-1				US-PATENT-APPL-SN-596139			US-PATENT-CLASS-292-DIG.66	
				NASA-CASE-GSC-13408-1				US-PATENT-CLASS-252-62.2			US-PATENT-CLASS-403-28	
				US-PATENT-APPL-SN-781625				US-PATENT-CLASS-429-192			US-PATENT-CLASS-403-404	
N92-24246* #	c 33	.....		NAS 1.71:NPO-18552-1-CU				US-PATENT-5,110,694			US-PATENT-CLASS-411-909	
				NASA-CASE-NPO-18552-1-CU	N92-28754*	c 37	..	INT-PATENT-CLASS-B05C-17/02			US-PATENT-5,108,214	
				US-PATENT-APPL-SN-854124				NASA-CASE-GSC-13230-1	N92-29122*	c 74		INT-PATENT-CLASS-G01J-1/20
N92-25397*	c 27	..		INT-PATENT-CLASS-B01D-13/02				US-PATENT-APPL-SN-531374			NASA-CASE-NPO-18095-1-CU	
				INT-PATENT-CLASS-C25D-13/00				US-PATENT-CLASS-15-230.11			US-PATENT-APPL-SN-665509	
				NASA-CASE-MFS-26050-1				US-PATENT-CLASS-29-110.5			US-PATENT-CLASS-250-201.9	
				US-PATENT-APPL-SN-808981				US-PATENT-CLASS-29-123			US-PATENT-CLASS-359.849	
				US-PATENT-CLASS-204-299R				US-PATENT-CLASS-29-132			US-PATENT-5,113,064	
				US-PATENT-CLASS-204-300EC	N92-28755*	c 52		INT-PATENT-CLASS-A61B-3/14	N92-29124*	c 32	..	INT-PATENT-CLASS-G01R-23/16
				US-PATENT-CLASS-428-403				NASA-CASE-MS-C-21675-1			NASA-CASE-NPO-17759-1-CU	
				US-PATENT-CLASS-428-405				US-PATENT-APPL-SN-562095			US-PATENT-APPL-SN-660371	
				US-PATENT-CLASS-428-407				US-PATENT-CLASS-351-206			US-PATENT-CLASS-324-77C	
				US-PATENT-4,690,749							US-PATENT-CLASS-324-77CS	

			US-PATENT-CLASS-324-78D				US-PATENT-5,117,689				US-PATENT-APPL-SN-786612
			US-PATENT-CLASS-324-78F				NASA-CASE-MSC-21799-1			N92-29150*	c 37 .. INT-PATENT-CLASS-F16B-37/08
			US-PATENT-5,122,731				US-PATENT-APPL-SN-759367				N92-30084* # c 74
N92-29125*	c 34	..	INT-PATENT-CLASS-F28D-15/02				US-PATENT-CLASS-411-14				NASA-CASE-NPO-18478-1-CU
			NASA-CASE-LEW-15235-1				US-PATENT-CLASS-411-267			N92-30085* # c 63	 NAS 1.71:NPO-18553-1-CU
			US-PATENT-APPL-SN-736145				US-PATENT-CLASS-411-433				NASA-CASE-NPO-18553-1-CU
			US-PATENT-CLASS-165-104.14				US-PATENT-5,118,237			N92-30086* # c 33	 NAS 1.71:NPO-18578-1-CU
			US-PATENT-CLASS-165-104.22				INT-PATENT-CLASS-G02B-26/02				NASA-CASE-NPO-18578-1-CU
			US-PATENT-CLASS-165-41				NASA-CASE-GSC-13189-2				US-PATENT-APPL-SN-912956
			US-PATENT-CLASS-417-209				US-PATENT-APPL-SN-331119			N92-30098* # c 25	 NAS 1.71:LAR-14398-1
			US-PATENT-5,127,471				US-PATENT-APPL-SN-613188				NASA-CASE-LAR-14398-1
N92-29129*	c 54	...	INT-PATENT-CLASS-G06K-9/00				US-PATENT-CLASS-359-230				US-PATENT-APPL-SN-736985
			NASA-CASE-NPO-17552-1-CU				US-PATENT-CLASS-359-236			N92-30099* # c 39	 NAS 1.71:LAR-14775-1
			US-PATENT-APPL-SN-251500				US-PATENT-5,128,796				NASA-CASE-LAR-14775-1
			US-PATENT-CLASS-358-105				INT-PATENT-CLASS-G05G-9/00				US-PATENT-APPL-SN-881912
			US-PATENT-CLASS-364-424.01				NASA-CASE-GSC-13187-1			N92-30100* # c 27	 NAS 1.71:MSC-21529-1
			US-PATENT-CLASS-382-1				US-PATENT-APPL-SN-657790				NASA-CASE-MSC-21529-1
			US-PATENT-CLASS-382-22				US-PATENT-CLASS-248-65				US-PATENT-APPL-SN-857901
			US-PATENT-CLASS-901-1				US-PATENT-CLASS-248-68.1			N92-30102* # c 76	 NAS 1.71:NPO-18625-1-CU
			US-PATENT-5,109,425				US-PATENT-CLASS-273-148B				NASA-CASE-NPO-18625-1-CU
N92-29130*	c 70	..	INT-PATENT-CLASS-G01N-27/72				US-PATENT-CLASS-338-128				US-PATENT-APPL-SN-912981
			NASA-CASE-NPO-18187-1-CU				US-PATENT-CLASS-74-471XY			N92-30104* # c 74	 NAS 1.71:NPO-17794-1-CU
			US-PATENT-APPL-SN-618789				US-PATENT-5,113,714				NASA-CASE-NPO-17794-1-CU
			US-PATENT-CLASS-324-205				INT-PATENT-CLASS-G01R-35/00				US-PATENT-APPL-SN-904550
			US-PATENT-CLASS-324-244				NASA-CASE-GSC-13386-1			N92-30386* # c 82	 NAS 1.71:LAR-14651-1
			US-PATENT-CLASS-324-261				US-PATENT-APPL-SN-758977				NASA-CASE-LAR-14651-1
			US-PATENT-CLASS-361-148				US-PATENT-CLASS-324-224			N92-30387* # c 34	 NAS 1.71:LAR-14682-1
			US-PATENT-CLASS-361-149				US-PATENT-CLASS-324-226				NASA-CASE-LAR-14682-1
			US-PATENT-CLASS-361-267				US-PATENT-CLASS-324-262				US-PATENT-APPL-SN-887002
			US-PATENT-5,126,669				US-PATENT-CLASS-356-432			N92-30540* # c 37	 NAS 1.71:MSC-21940-1
N92-29132*	c 60	..	INT-PATENT-CLASS-G11B-17/22				US-PATENT-CLASS-374-4				NASA-CASE-MSC-21940-1
			INT-PATENT-CLASS-G11B-37/74				US-PATENT-CLASS-374-45				US-PATENT-APPL-SN-892072
			INT-PATENT-CLASS-G11B-5/09				US-PATENT-5,124,640			N92-30541* # c 60	 NAS 1.71:LAR-13950-1
			NASA-CASE-GSC-13196-1				NASA-CASE-LAR-13817-2				NASA-CASE-LAR-13950-1
			US-PATENT-APPL-SN-357928				US-PATENT-APPL-SN-210486				US-PATENT-APPL-SN-891604
			US-PATENT-CLASS-360-48				US-PATENT-CLASS-324-209			N92-30543* # c 61	 NAS 1.71:NPO-18435-1-CU
			US-PATENT-CLASS-360-98.01				US-PATENT-CLASS-324-226				NASA-CASE-NPO-18435-1-CU
			US-PATENT-CLASS-369-32				US-PATENT-CLASS-324-227				US-PATENT-APPL-SN-792501
			US-PATENT-CLASS-369-95				US-PATENT-CLASS-324-235			N92-31150* # c 32	 NAS 1.71:LAR-14679-2
			US-PATENT-5,111,345				US-PATENT-CLASS-324-239				US-PATENT-APPL-SN-790731
N92-29133*	c 74	...	INT-PATENT-CLASS-G01D-5/34				US-PATENT-CLASS-73-801			N92-31786* # c 36	 INT-PATENT-CLASS-H01S-3/10
			NASA-CASE-GSC-13175-1				US-PATENT-5,109,195				NASA-CASE-LAR-13772-1
			US-PATENT-APPL-SN-506636				INT-PATENT-CLASS-F25B-19/02				US-PATENT-APPL-SN-359460
			US-PATENT-CLASS-250-231.14				NASA-CASE-NPO-18184-1-CU				US-PATENT-CLASS-372-25
			US-PATENT-CLASS-369-44.26				US-PATENT-APPL-SN-636076				US-PATENT-CLASS-372-30
			US-PATENT-5,107,107				US-PATENT-CLASS-62.224				US-PATENT-5,128,949
N92-29135*	c 35	...	INT-PATENT-CLASS-G21K-7/00				US-PATENT-CLASS-62-51.2			N92-31790* # c 35	... INT-PATENT-CLASS-C12M-1/10
			NASA-CASE-MFS-28485-1				US-PATENT-5,119,637				INT-PATENT-CLASS-C12M-1/12
			US-PATENT-APPL-SN-606988				INT-PATENT-CLASS-C08F-283/04				INT-PATENT-CLASS-C12M-3/00
			US-PATENT-CLASS-378-210				NASA-CASE-LAR-13669-1				INT-PATENT-CLASS-C12M-3/02
			US-PATENT-CLASS-378-43				US-PATENT-APPL-SN-084064				NASA-CASE-MFS-28370-1
			US-PATENT-5,107,526				US-PATENT-CLASS-525-420				US-PATENT-APPL-SN-386175
N92-29137*	c 54	.....	NASA-CASE-MSC-21589-1				US-PATENT-CLASS-525-432				US-PATENT-CLASS-435-286
			US-PATENT-APPL-SN-529427				US-PATENT-CLASS-528-179				US-PATENT-CLASS-435-311
			US-PATENT-CLASS-252-DIG.13				US-PATENT-CLASS-528-185				US-PATENT-CLASS-435-312
			US-PATENT-CLASS-252-DIG.14				US-PATENT-CLASS-528-352				US-PATENT-5,104,802
			US-PATENT-CLASS-252-DIG.5				US-PATENT-CLASS-528-353			N92-31792* # c 27	... INT-PATENT-CLASS-C08L-79/08
			US-PATENT-CLASS-252-547				US-PATENT-5,116,939				NASA-CASE-LAR-14159-1-CU
			US-PATENT-CLASS-4-661				NASA-CASE-LAR-13616-3				US-PATENT-APPL-SN-439317
			US-PATENT-CLASS-424-70				US-PATENT-APPL-SN-140185				US-PATENT-CLASS-525-420
			US-PATENT-5,116,543				US-PATENT-APPL-SN-337768				US-PATENT-CLASS-525-434
N92-29138*	c 37	....	INT-PATENT-CLASS-B66C-1/62				US-PATENT-APPL-SN-693049				US-PATENT-CLASS-525-436
			NASA-CASE-GSC-13261-1				US-PATENT-CLASS-427-108				US-PATENT-5,112,923
			US-PATENT-APPL-SN-628529				US-PATENT-CLASS-427-109			N92-33008* # c 27	 NAS 1.71:NPO-14001-1
			US-PATENT-CLASS-294-119.1				US-PATENT-CLASS-427-38				US-PATENT-APPL-SN-433812
			US-PATENT-CLASS-294-902				US-PATENT-CLASS-427-66				US-PATENT-CLASS-528-125
			US-PATENT-CLASS-901-39				US-PATENT-CLASS-427-68				US-PATENT-CLASS-528-128
			US-PATENT-5,120,101				US-PATENT-5,104,683				US-PATENT-CLASS-528-172
N92-29140*	c 37	...	INT-PATENT-CLASS-B25G-3/00				NAS 1.71:LAR-14559-1				US-PATENT-CLASS-528-185
			NASA-CASE-GSC-13220-1				NASA-CASE-LAR-14559-1				US-PATENT-CLASS-528-229
			US-PATENT-APPL-SN-636532				US-PATENT-APPL-SN-878631				US-PATENT-CLASS-528-352
			US-PATENT-CLASS-403-13				NAS 1.71:LAR-14815-1-CU				US-PATENT-CLASS-528-353
			US-PATENT-CLASS-403-24				NASA-CASE-LAR-14815-1-CU			N92-33009* # c 25	 NAS 1.71:NPO-14001-1
			US-PATENT-5,112,154				US-PATENT-APPL-SN-820432				US-PATENT-APPL-SN-429739
N92-29141*	c 23	INT-PATENT-CLASS-C07D-27/110					NAS 1.71:LAR-14779-1				US-PATENT-CLASS-210-198.2
		INT-PATENT-CLASS-C08G-73/08					NASA-CASE-LAR-14779-1				US-PATENT-CLASS-210-502.1
		NASA-CASE-LAR-14427-1					US-PATENT-APPL-SN-885714				US-PATENT-CLASS-210-635
		US-PATENT-APPL-SN-645089					NAS 1.71:MSC-21961-1				US-PATENT-CLASS-428-315.5
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N93-20115* #	c 16	INT-PATENT-CLASS-B64D-27/02 NASA-CASE-LAR-13586-1 US-PATENT-APPL-SN-743469 US-PATENT-CLASS-244-118.1 US-PATENT-CLASS-244-118.2 US-PATENT-CLASS-244-172 US-PATENT-CLASS-244-54 US-PATENT-5,190,246	N93-22037* #	c 74	INT-PATENT-CLASS-G01M-19/00 INT-PATENT-CLASS-G01M-9/06 NASA-CASE-LAR-14568-1 US-PATENT-APPL-SN-808302 US-PATENT-CLASS-244-204 US-PATENT-CLASS-250-330 US-PATENT-CLASS-250-338.5 US-PATENT-CLASS-250-340 US-PATENT-CLASS-73-147 US-PATENT-5,200,621	N93-25994* #	c 09	INT-PATENT-CLASS-G01M-9/00 NASA-CASE-LAR-14424-1-SB US-PATENT-APPL-SN-743468 US-PATENT-CLASS-73-147 US-PATENT-5,211,057
N93-20116* #	c 60	INT-PATENT-CLASS-G06F-15/18 NASA-CASE-NPO-17781-1-CU US-PATENT-APPL-SN-744042 US-PATENT-CLASS-395-11 US-PATENT-CLASS-395-23 US-PATENT-CLASS-395-24 US-PATENT-5,195,170	N93-22038* #	c 74	NAS 1.71:LAR-14652-1-SB NASA-CASE-LAR-14652-1-SB US-PATENT-APPL-SN-022582	N93-25995* #	c 27	NASA-CASE-LAR-14457-1 US-PATENT-APPL-SN-520472 US-PATENT-CLASS-528-125 US-PATENT-CLASS-528-128 US-PATENT-CLASS-528-170 US-PATENT-CLASS-528-172 US-PATENT-CLASS-528-173 US-PATENT-CLASS-528-176 US-PATENT-CLASS-528-183 US-PATENT-CLASS-528-186 US-PATENT-CLASS-528-189 US-PATENT-CLASS-528-192 US-PATENT-CLASS-528-195 US-PATENT-CLASS-528-198 US-PATENT-CLASS-528-201 US-PATENT-CLASS-528-204 US-PATENT-CLASS-528-207 US-PATENT-CLASS-528-210 US-PATENT-CLASS-528-213 US-PATENT-CLASS-528-216 US-PATENT-CLASS-528-219 US-PATENT-CLASS-528-222 US-PATENT-CLASS-528-225 US-PATENT-CLASS-528-228 US-PATENT-CLASS-528-231 US-PATENT-CLASS-528-234 US-PATENT-CLASS-528-237 US-PATENT-CLASS-528-240 US-PATENT-CLASS-528-243 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N93-20117* #	c 37	INT-PATENT-CLASS-F16B-1/04 NASA-CASE-MS-C-21864-1 US-PATENT-APPL-SN-799460 US-PATENT-CLASS-403-171 US-PATENT-CLASS-403-176 US-PATENT-CLASS-403-353 US-PATENT-CLASS-403-381 US-PATENT-CLASS-52-465 US-PATENT-5,190,392	N93-22039* #	c 74	NAS 1.71:LAR-14652-1-SB NASA-CASE-LAR-14652-1-SB US-PATENT-APPL-SN-022582	N93-25996* #	c 09	INT-PATENT-CLASS-G01M-9/00 NASA-CASE-LAR-14424-1-SB US-PATENT-APPL-SN-743468 US-PATENT-CLASS-73-147 US-PATENT-5,211,057
N93-20118* #	c 39	INT-PATENT-CLASS-G01N-3/32 NASA-CASE-GSC-13451-1 US-PATENT-APPL-SN-801141 US-PATENT-CLASS-324-222 US-PATENT-CLASS-73-779 US-PATENT-CLASS-73-797 US-PATENT-5,193,395	N93-22384* #	c 37	INT-PATENT-CLASS-F16B-21/00 NASA-CASE-LAR-14542-1 US-PATENT-APPL-SN-743485 US-PATENT-CLASS-411-103 US-PATENT-CLASS-411-340 US-PATENT-CLASS-411-402 US-PATENT-5,197,839	N93-25997* #	c 27	NASA-CASE-LAR-14457-1 US-PATENT-APPL-SN-520472 US-PATENT-CLASS-528-125 US-PATENT-CLASS-528-128 US-PATENT-CLASS-528-170 US-PATENT-CLASS-528-172 US-PATENT-CLASS-528-173 US-PATENT-CLASS-528-176 US-PATENT-CLASS-528-178 US-PATENT-CLASS-528-181 US-PATENT-CLASS-528-184 US-PATENT-CLASS-528-187 US-PATENT-CLASS-528-190 US-PATENT-CLASS-528-193 US-PATENT-CLASS-528-196 US-PATENT-CLASS-528-199 US-PATENT-CLASS-528-202 US-PATENT-CLASS-528-205 US-PATENT-CLASS-528-208 US-PATENT-CLASS-528-211 US-PATENT-CLASS-528-214 US-PATENT-CLASS-528-217 US-PATENT-CLASS-528-220 US-PATENT-CLASS-528-223 US-PATENT-CLASS-528-226 US-PATENT-CLASS-528-229 US-PATENT-CLASS-528-232 US-PATENT-CLASS-528-235 US-PATENT-CLASS-528-238 US-PATENT-CLASS-528-241 US-PATENT-CLASS-528-244 US-PATENT-CLASS-528-247 US-PATENT-CLASS-528-250 US-PATENT-CLASS-528-253 US-PATENT-CLASS-528-256 US-PATENT-CLASS-528-259 US-PATENT-CLASS-528-262 US-PATENT-CLASS-528-265 US-PATENT-CLASS-528-268 US-PATENT-CLASS-528-271 US-PATENT-CLASS-528-274 US-PATENT-CLASS-528-277 US-PATENT-CLASS-528-280 US-PATENT-CLASS-528-283 US-PATENT-CLASS-528-286 US-PATENT-CLASS-528-289 US-PATENT-CLASS-528-292 US-PATENT-CLASS-528-295 US-PATENT-CLASS-528-298 US-PATENT-CLASS-528-301 US-PATENT-CLASS-528-304 US-PATENT-CLASS-528-307 US-PATENT-CLASS-528-310 US-PATENT-CLASS-528-313 US-PATENT-CLASS-528-316 US-PATENT-CLASS-528-319 US-PATENT-CLASS-528-322 US-PATENT-CLASS-528-325 US-PATENT-CLASS-528-328 US-PATENT-CLASS-528-331 US-PATENT-CLASS-528-334 US-PATENT-CLASS-528-337 US-PATENT-CLASS-528-340 US-PATENT-CLASS-528-343 US-PATENT-CLASS-528-346 US-PATENT-CLASS-528-349 US-PATENT-CLASS-528-352 US-PATENT-CLASS-528-355 US-PATENT-CLASS-528-358 US-PATENT-CLASS-528-361 US-PATENT-CLASS-528-364 US-PATENT-CLASS-528-367 US-PATENT-CLASS-528-370 US-PATENT-CLASS-528-373 US-PATENT-CLASS-528-376 US-PATENT-CLASS-528-379 US-PATENT-CLASS-528-382 US-PATENT-CLASS-528-385 US-PATENT-CLASS-528-388 US-PATENT-CLASS-528-391 US-PATENT-CLASS-528-394 US-PATENT-CLASS-528-397 US-PATENT-CLASS-528-400 US-PATENT-CLASS-528-403 US-PATENT-CLASS-528-406 US-PATENT-CLASS-528-409 US-PATENT-CLASS-528-412 US-PATENT-CLASS-528-415 US-PATENT-CLASS-528-418 US-PATENT-CLASS-528-421 US-PATENT-CLASS-528-424 US-PATENT-CLASS-528-427 US-PATENT-CLASS-528-430 US-PATENT-CLASS-528-433 US-PATENT-CLASS-528-436 US-PATENT-CLASS-528-439 US-PATENT-CLASS-528-442 US-PATENT-CLASS-528-445 US-PATENT-CLASS-528-448 US-PATENT-CLASS-528-451 US-PATENT-CLASS-528-454 US-PATENT-CLASS-528-457 US-PATENT-CLASS-528-460 US-PATENT-CLASS-528-463 US-PATENT-CLASS-528-466 US-PATENT-CLASS-528-469 US-PATENT-CLASS-528-472 US-PATENT-CLASS-528-475 US-PATENT-CLASS-528-478 US-PATENT-CLASS-528-481 US-PATENT-CLASS-528-484 US-PATENT-CLASS-528-487 US-PATENT-CLASS-528-490 US-PATENT-CLASS-528-493 US-PATENT-CLASS-528-496 US-PATENT-CLASS-528-499 US-PATENT-CLASS-528-502 US-PATENT-CLASS-528-505 US-PATENT-CLASS-528-508 US-PATENT-CLASS-528-511 US-PATENT-CLASS-528-514 US-PATENT-CLASS-528-517 US-PATENT-CLASS-528-520 US-PATENT-CLASS-528-523 US-PATENT-CLASS-528-526 US-PATENT-CLASS-528-529 US-PATENT-CLASS-528-532 US-PATENT-CLASS-528-535

N93-25998* #	c 08	US-PATENT-5,212,276	N93-28132* #	c 36	NAS 1.71:NPO-18596-1-CU	N93-29085* #	c 27	US-PATENT-CLASS-73-61.75
		INT-PATENT-CLASS-B64C-27/00			NASA-CASE-NPO-18596-1-CU			US-PATENT-CLASS-73-61.79
		NASA-CASE-LAR-14219-1			US-PATENT-APPL-SN-023252			US-PATENT-CLASS-73-64.53
		US-PATENT-APPL-SN-788908			NAS 1.71:NPO-18769-1-CU			US-PATENT-5,214,955
N93-25999* #	c 27	US-PATENT-CLASS-244-17.11	N93-28133* #	c 74	NASA-CASE-NPO-18769-1-CU	N93-29086* #	c 74	NASA-CASE-LAR-14487-1
		US-PATENT-CLASS-244-17.19			US-PATENT-APPL-SN-046331			US-PATENT-APPL-SN-750158
		US-PATENT-CLASS-244-75R			NAS 1.71:MSC-22255-1			US-PATENT-CLASS-528-125
		US-PATENT-5,209,430			NASA-CASE-MS-22255-1			US-PATENT-CLASS-528-126
		NASA-CASE-LAR-14753-1			US-PATENT-APPL-SN-977302			US-PATENT-CLASS-528-128
		US-PATENT-APPL-SN-845090			NAS 1.71:MSC-22091-1			US-PATENT-CLASS-528-172
		US-PATENT-CLASS-528-125			NASA-CASE-MS-22091-1			US-PATENT-CLASS-528-173
		US-PATENT-CLASS-528-128			US-PATENT-APPL-SN-039602			US-PATENT-CLASS-528-179
		US-PATENT-CLASS-528-170			NAS 1.71:NPO-18655-1-CU			US-PATENT-CLASS-528-179
		US-PATENT-CLASS-528-172			NASA-CASE-NPO-18655-1-CU			US-PATENT-CLASS-528-188
N93-26000* #	c 34	US-PATENT-CLASS-528-173	N93-28322* #	c 35	US-PATENT-APPL-SN-044449	N93-29087* #	c 74	US-PATENT-5,218,077
		US-PATENT-CLASS-528-176			NAS 1.71:MFS-28739-1			INT-PATENT-CLASS-G013-3/12
		US-PATENT-CLASS-528-353			NASA-CASE-MFS-28739-1			NASA-CASE-NPO-18410-1-CU
		US-PATENT-5,212,283			US-PATENT-APPL-SN-010034			US-PATENT-APPL-SN-80534
		INT-PATENT-CLASS-G01M-9/00			NAS 1.71:MFS-28491-1			US-PATENT-CLASS-250-339
		NASA-CASE-LAR-14824-1-SB			NASA-CASE-MFS-28491-1			US-PATENT-CLASS-356-326
		US-PATENT-APPL-SN-823805			US-PATENT-APPL-SN-010030			US-PATENT-CLASS-358-511
		US-PATENT-CLASS-73-147			NAS 1.71:NPO-18678-1-CU			US-PATENT-CLASS-359-308
		US-PATENT-CLASS-73-178R			NASA-CASE-NPO-18678-1-CU			US-PATENT-5,216,484
		US-PATENT-CLASS-73-204.11			US-PATENT-APPL-SN-056018			INT-PATENT-CLASS-G01S-3/02
N93-26001* #	c 37	US-PATENT-5,209,111	N93-28423* #	c 27	NAS 1.71:LEW-15314-2	N93-29088* #	c 27	INT-PATENT-CLASS-H01L-23/02
		INT-PATENT-CLASS-F16C-19/52			NASA-CASE-LEW-15314-2			INT-PATENT-CLASS-H05K-5/00
		INT-PATENT-CLASS-F16C-43/04			US-PATENT-APPL-SN-081180			NASA-CASE-NPO-18713-1-CU
		NASA-CASE-MFS-28629-1			NAS 1.71:NPO-18391-1-CU			US-PATENT-APPL-SN-802078
		US-PATENT-APPL-SN-957128			NASA-CASE-NPO-18391-1-CU			US-PATENT-CLASS-257-712
		US-PATENT-CLASS-384-493			US-PATENT-APPL-SN-066829			US-PATENT-CLASS-342-351
		US-PATENT-CLASS-384-537			NAS 1.71:LEW-15306-2			US-PATENT-CLASS-343-700
		US-PATENT-CLASS-384-585			NASA-CASE-LEW-15306-2			US-PATENT-CLASS-361-394
		US-PATENT-5,211,489			US-PATENT-APPL-SN-065794			US-PATENT-5,218,357
		NASA-CASE-LEW-15262-1			NAS 1.71:NPO-18501-1-CU			INT-PATENT-CLASS-B64D-7/00
N93-26100* #	c 24	US-PATENT-APPL-SN-892055	N93-28426* #	c 27	NASA-CASE-NPO-18501-1-CU	N93-29172* #	c 26	NASA-CASE-MS-21884-1
		US-PATENT-CLASS-264-58			US-PATENT-APPL-SN-052419			US-PATENT-APPL-SN-887674
		US-PATENT-CLASS-428-428			NAS 1.71:NPO-18727-1-CU			US-PATENT-CLASS-244-121
		US-PATENT-CLASS-428-698			NASA-CASE-NPO-18727-1-CU			US-PATENT-CLASS-244-158R
		US-PATENT-CLASS-501-32			US-PATENT-APPL-SN-042486			US-PATENT-CLASS-89-36.02
		US-PATENT-CLASS-501-8			NAS 1.71:NPO-18662-1-CU			US-PATENT-5,217,185
		US-PATENT-CLASS-501-89			NASA-CASE-NPO-18662-1-CU			NAS 1.71:LEW-15697-1
		US-PATENT-CLASS-501-95			US-PATENT-APPL-SN-020813			NASA-CASE-LEW-15697-1
		US-PATENT-5,214,004			NAS 1.71:MSC-22046-1			US-PATENT-APPL-SN-067184
		NASA-CASE-LAR-14179-1			NASA-CASE-MS-22046-1			NAS 1.71:LEW-15697-1
N93-26101* #	c 31	US-PATENT-APPL-SN-740526	N93-28501* #	c 37	US-PATENT-APPL-SN-038748	N93-29175* #	c 37	NAS 1.71:LEW-15697-1
		US-PATENT-CLASS-118-308			NASA-CASE-NPO-18738-1-CU			NASA-CASE-LAR-14738-1
		US-PATENT-CLASS-118-308			US-PATENT-APPL-SN-038748			NASA-CASE-LAR-14738-1
		US-PATENT-CLASS-118-325			NAS 1.71:MFS-26216-1			US-PATENT-APPL-SN-064324
		US-PATENT-CLASS-427-180			NASA-CASE-MFS-26216-1			NAS 1.71:NPO-18492-1-CU
		US-PATENT-CLASS-427-195			US-PATENT-APPL-SN-070132			NASA-CASE-NPO-18492-1-CU
		US-PATENT-CLASS-427-294			NAS 1.71:MFS-28402-1			US-PATENT-APPL-SN-023253
		US-PATENT-CLASS-427-295			NASA-CASE-MFS-28402-1			US-PATENT-CLASS-340-611
		US-PATENT-CLASS-427-296			US-PATENT-APPL-SN-024547			US-PATENT-CLASS-340-611
		US-PATENT-5,213,843			NAS 1.71:LEW-15170-1			US-PATENT-5,226,447
N93-26102* #	c 39	INT-PATENT-CLASS-G01N-3/00	N93-28951* #	c 37	NASA-CASE-LEW-15170-1	N93-29176* #	c 63	INT-PATENT-CLASS-G06F-15/18
		NASA-CASE-LAR-14399-1			US-PATENT-APPL-SN-046256			NASA-CASE-NPO-18004-1-CU
		US-PATENT-APPL-SN-797507			NAS 1.71:NPO-18738-1-CU			US-PATENT-APPL-SN-677059
		US-PATENT-CLASS-73-641			NASA-CASE-NPO-18738-1-CU			US-PATENT-CLASS-395-11
		US-PATENT-CLASS-73-788			US-PATENT-APPL-SN-034608			US-PATENT-CLASS-395-11
		US-PATENT-5,209,123			NAS 1.71:NPO-18772-1-CU			US-PATENT-CLASS-395-11
		INT-PATENT-CLASS-G01B-5/20			US-PATENT-APPL-SN-999794			US-PATENT-CLASS-395-11
		INT-PATENT-CLASS-G01B-7/28			NASA-CASE-NPO-18772-1-CU			US-PATENT-CLASS-395-11
		INT-PATENT-CLASS-G01N-27/72			US-PATENT-APPL-SN-999794			US-PATENT-CLASS-395-11
		NASA-CASE-GSC-13506-1			NAS 1.71:NPO-18772-1-CU			US-PATENT-5,226,110
N93-26103* #	c 35	US-PATENT-APPL-SN-904308	N93-28974* #	c 44	US-PATENT-APPL-SN-999794	N93-29504* #	c 60	INT-PATENT-CLASS-B23Q-3/155
		US-PATENT-CLASS-324-207.16			NASA-CASE-LEW-14973-1			INT-PATENT-CLASS-B25J-15/04
		US-PATENT-CLASS-324-220			US-PATENT-CLASS-429-103			NASA-CASE-GSC-13435-1
		US-PATENT-CLASS-324-262			US-PATENT-CLASS-429-16			US-PATENT-APPL-SN-918746
		US-PATENT-CLASS-33-542			US-PATENT-CLASS-429-29			US-PATENT-CLASS-414-729
		US-PATENT-5,214,379			US-PATENT-CLASS-429-30			US-PATENT-CLASS-483-16
		INT-PATENT-CLASS-G01R-27/26			US-PATENT-CLASS-429-46			US-PATENT-CLASS-483-901
		NASA-CASE-GSC-13460-1			US-PATENT-5,213,908			US-PATENT-CLASS-901-30
		US-PATENT-APPL-SN-889577			NASA-CASE-MS-21487-2			US-PATENT-CLASS-901-41
		US-PATENT-CLASS-324-662			US-PATENT-APPL-SN-429739			US-PATENT-5,219,318
N93-26104* #	c 33	US-PATENT-CLASS-324-681	N93-29023* #	c 24	US-PATENT-APPL-SN-894505	N93-29506* #	c 25	INT-PATENT-CLASS-C07C-323/09
		US-PATENT-CLASS-324-683			US-PATENT-CLASS-427-244			NASA-CASE-LAR-14773-2-CU
		US-PATENT-CLASS-324-690			US-PATENT-CLASS-427-269			US-PATENT-APPL-SN-755207
		US-PATENT-CLASS-340-870.37			US-PATENT-CLASS-427-270			US-PATENT-CLASS-562-827
		US-PATENT-5,214,388			US-PATENT-CLASS-427-287			US-PATENT-CLASS-564-417
		NAS 1.71:NPO-18970-1-CU			US-PATENT-CLASS-427-377			US-PATENT-CLASS-564-440
		NASA-CASE-NPO-18970-1-CU			US-PATENT-CLASS-427-535			US-PATENT-5,220,070
		US-PATENT-APPL-SN-039783			US-PATENT-5,215,790			INT-PATENT-CLASS-H01Q-1/380
		NAS 1.71:LEW-15345-2			NASA-CASE-LAR-14206-1			INT-PATENT-CLASS-H01Q-19/300
		NASA-CASE-LEW-15345-2			US-PATENT-APPL-SN-429574			NASA-CASE-NPO-17873-2-CU
N93-28128* #	c 53	US-PATENT-APPL-SN-039735	N93-28127* #	c 37	US-PATENT-CLASS-528-125	N93-29507* #	c 32	US-PATENT-APPL-SN-501892
		NAS 1.71:LEW-15022-1			US-PATENT-CLASS-528-128			US-PATENT-APPL-SN-664445
		NASA-CASE-LAR-15022-1			US-PATENT-CLASS-528-170			US-PATENT-CLASS-343-700MS
		US-PATENT-APPL-SN-029808			US-PATENT-CLASS-528-172			US-PATENT-CLASS-343-819
		NAS 1.71:NPO-18902-1-CU			US-PATENT-CLASS-528-26			US-PATENT-CLASS-343-833
		NASA-CASE-NPO-18902-1-CU			US-PATENT-CLASS-528-28			US-PATENT-CLASS-343-834
		US-PATENT-APPL-SN-034607			US-PATENT-CLASS-528-353			US-PATENT-5,220,335
		NAS 1.71:LEW-15700-1			US-PATENT-5,218,083			INT-PATENT-CLASS-G06F-15/16
		NASA-CASE-LEW-15700-1			NASA-CASE-LAR-13823-1			INT-PATENT-CLASS-G06F-9/00
		US-PATENT-APPL-SN-029520			US-PATENT-APPL-SN-749737			NASA-CASE-NPO-17629-1-CU
N93-28131* #	c 37	NAS 1.71:NPO-18786-1-CU	N93-29084* #	c 35	US-PATENT-CLASS-374-119	N93-29608* #	c 60	US-PATENT-APPL-SN-458280
		NASA-CASE-NPO-18786-1-CU			US-PATENT-CLASS-73-24.05			US-PATENT-CLASS-364-DIG.1
		US-PATENT-APPL-SN-048871			US-PATENT-CLASS-73-32A			US-PATENT-CLASS-364-231.9
		NAS 1.71:NPO-18786-1-CU			US-PATENT-CLASS-73-5.97			US-PATENT-CLASS-395-800
		NASA-CASE-NPO-18786-1-CU			NAS 1.71:NPO-18596-1-CU			US-PATENT-CLASS-73-61.75
		US-PATENT-APPL-SN-023252			NASA-CASE-NPO-18596-1-CU			US-PATENT-CLASS-73-61.79
		NAS 1.71:NPO-18769-1-CU			US-PATENT-APPL-SN-023252			US-PATENT-CLASS-73-64.53
		NASA-CASE-NPO-18769-1-CU			NAS 1.71:NPO-18769-1-CU			US-PATENT-5,214,955
		US-PATENT-APPL-SN-046331			NASA-CASE-NPO-18769-1-CU			NASA-CASE-LAR-14487-1
		NAS 1.71:MSC-22255-1			US-PATENT-APPL-SN-046331			US-PATENT-APPL-SN-750158
NASA-CASE-MS-22255-1	NAS 1.71:MSC-22255-1	US-PATENT-CLASS-528-125						
US-PATENT-APPL-SN-977302	NASA-CASE-MS-22255-1	US-PATENT-CLASS-528-126						
NAS 1.71:MSC-22091-1	US-PATENT-APPL-SN-977302	US-PATENT-CLASS-528-128						
NASA-CASE-MS-22091-1	NAS 1.71:MSC-22091-1	US-PATENT-CLASS-528-172						
US-PATENT-APPL-SN-039602	NASA-CASE-MS-22091-1	US-PATENT-CLASS-528-173						
NAS 1.71:NPO-18655-1-CU	US-PATENT-APPL-SN-039602	US-PATENT-CLASS-528-179						
NASA-CASE-NPO-18655-1-CU	NAS 1.71:NPO-18655-1-CU	US-PATENT-CLASS-528-188						
US-PATENT-APPL-SN-044449	NASA-CASE-NPO-18655-1-CU	US-PATENT-5,218,077						
NAS 1.71:MFS-28739-1	US-PATENT-APPL-SN-044449	INT-PATENT-CLASS-G013-3/12						
NASA-CASE-MFS-28739-1	NAS 1.71:MFS-28739-1	NASA-CASE-NPO-18410-1-CU						
US-PATENT-APPL-SN-010034	NASA-CASE-MFS-28739-1	US-PATENT-APPL-SN-80534						
NAS 1.71:MFS-28491-1	US-PATENT-APPL-SN-010034	US-PATENT-CLASS-250-339						
NASA-CASE-MFS-28491-1	NAS 1.71:MFS-28491-1	US-PATENT-CLASS-356-326						
US-PATENT-APPL-SN-010030	NASA-CASE-MFS-28491-1	US-PATENT-CLASS-358-511						
NAS 1.71:NPO-18678-1-CU	US-PATENT-APPL-SN-010030	US-PATENT-CLASS-359-308						
NASA-CASE-NPO-18678-1-CU	NAS 1.71:NPO-18678-1-CU	US-PATENT-5,216,484						
US-PATENT-APPL-SN-056018	NASA-CASE-NPO-18678-1-CU	INT-PATENT-CLASS-G01S-3/02						
NAS 1.71:LEW-15314-2	US-PATENT-APPL-SN-056018	INT-PATENT-CLASS-H01L-23/02						
NASA-CASE-LEW-15314-2	NAS 1.71:LEW-15314-2	INT-PATENT-CLASS-H05K-5/00						
US-PATENT-APPL-SN-081180	NASA-CASE-LEW-15314-2	NASA-CASE-NPO-18713-1-CU						
NAS 1.71:NPO-18391-1-CU	US-PATENT-APPL-SN-081180	US-PATENT-APPL-SN-802078						
NASA-CASE-NPO-18391-1-CU	NAS 1.71:NPO-18391-1-CU	US-PATENT-CLASS-257-712						
US-PATENT-APPL-SN-066829	NASA-CASE-NPO-18391-1-CU	US-PATENT-CLASS-342-351						
NAS 1.71:LEW-15306-2	US-PATENT-APPL-SN-066829	US-PATENT-CLASS-343-700						
NASA-CASE-LEW-15306-2	NAS 1.71:LEW-15306-2	US-PATENT-CLASS-361-394						
US-PATENT-APPL-SN-065794	NASA-CASE-LEW-15306-2	US-PATENT-5,218,357						
NAS 1.71:NPO-18501-1-CU	US-PATENT-APPL-SN-065794	INT-PATENT-CLASS-B64D-7/00						
NASA-CASE-NPO-18501-1-CU	NAS 1.71:NPO-18501-1-CU	NASA-CASE-MS-21884-1						
US-PATENT-APPL-SN-052419	NASA-CASE-NPO-18501-1-CU	US-PATENT-APPL-SN-887674						
NAS 1.71:NPO-18727-1-CU	US-PATENT-APPL-SN-052419	US-PATENT-CLASS-244-121						
NASA-CASE-NPO-18727-1-CU	NAS 1.71:NPO-18727-1-CU	US-PATENT-CLASS-244-158R						
US-PATENT-APPL-SN-042486	NASA-CASE-NPO-18727-1-CU	US-PATENT-CLASS-89-36.02						
NAS 1.71:NPO-18662-1-CU	US-PATENT-APPL-SN-042486	US-PATENT-5,217,185						
NASA-CASE-NPO-18662-1-CU	NAS 1.71:NPO-18662-1-CU	NAS 1.71:LEW-15697-1						
US-PATENT-APPL-SN-020813	NASA-CASE-NPO-18662-1-CU	NASA-CASE-LEW-15697-1						
NAS 1.71:MSC-22046-1	US-PATENT-APPL-SN-020813	US-PATENT-APPL-SN-067184						
NASA-CASE-MS-22046-1	NAS 1.71:MSC-22046-1	NAS 1.71:LEW-15697-1						
US-PATENT-APPL-SN-038748	NASA-CASE-MS-22046-1	NASA-CASE-LAR-14738-1						
NAS 1.71:MFS-26216-1	US-PATENT-APPL-SN-038748	NASA-CASE-LAR-14738-1						
NASA-CASE-MFS-26216-1	NAS 1.71:MFS-26216-1	US-PATENT-APPL-SN-064324						
US-PATENT-APPL-SN-070132	NASA-CASE-MFS-26216-1	NAS 1.71:NPO-18492-1-CU						
NAS 1.71:MFS-28402-1	US-PATENT-APPL-SN-070132	NASA-CASE-NPO-18492-1-CU						
NASA-CASE-MFS-28402-1	NAS 1.71:MFS-28402-1	US-PATENT-APPL-SN-023253						
US-PATENT-APPL-SN-024547	NASA-CASE-MFS-28402-1	US-PATENT-CLASS-340-611						
NAS 1.71:LEW-15170-1	US-PATENT-APPL-SN-024547	US-PATENT-CLASS-340-611						
NASA-CASE-LEW-15170-1	NAS 1.71:LEW-15170-1	US-PATENT-5,226,447						
US-PATENT-APPL-SN-046256	NASA-CASE-LEW-15170-1	INT-PATENT-CLASS-G06F-15/18						
NAS 1.71:NPO-18738-1-CU	US-PATENT-APPL-SN-046256	NASA-CASE-NPO-18004-1-CU						
NASA-CASE-NPO-18738-1-CU	NAS 1.71:NPO-18738-1-CU	US-PATENT-APPL-SN-677059						
US-PATENT-APPL-SN-034608	NASA-CASE-NPO-18738-1-CU	US-PATENT-CLASS-395-11						
NAS 1.71:NPO-18772-1-CU	US-PATENT-APPL-SN-034608	US-PATENT-CLASS-395-11						
NASA-CASE-NPO-18772-1-CU	NAS 1.71:NPO-18772-1-CU	US-PATENT-CLASS-395-11						
US-PATENT-APPL-SN-999794	NASA-CASE-NPO-18772-1-CU	US-PATENT-CLASS-395-11						
INT-PATENT-CLASS-H01M-8/14	US-PATENT-APPL-SN-999794	US-PATENT-5,226,110						
NASA-CASE-LEW-14973-1	INT-PATENT-CLASS-H01M-8/14	INT-PATENT-CLASS-B23Q-3/155						
US-PATENT-APPL-SN-766593	NASA-CASE-LEW-14973-1	INT-PATENT-CLASS-B25J-15/04						
US-PATENT-CLASS-429-103	US-PATENT-APPL-SN-766593	NASA-CASE-GSC-13435-1						
US-PATENT-CLASS-429-16	US-PATENT-CLASS-429-103	US-PATENT-APPL-SN-918746						
US-PATENT-CLASS-429-27	US-PATENT-CLASS-429-16	US-PATENT-CLASS-414-729						
US-PATENT-CLASS-429-29	US-PATENT-CLASS-429-27	US-PATENT-CLASS-483-16						
US-PATENT-CLASS-429-30	US-PATENT-CLASS-429-29	US-PATENT-CLASS-483-901						
US-PATENT-CLASS-429-46	US-PATENT-CLASS-429-30	US-PATENT-CLASS-901-30						
US-PATENT-5,213,908	US-PATENT-CLASS-429-46	US-PATENT-CLASS-901-41						
NASA-CASE-MS-21487-2	US-PATENT-5,213,908	US-PATENT-5,219,318						
US-PATENT-APPL-SN-429739	NASA-CASE-MS-21487-2	INT-PATENT-CLASS-C07C-323/09						
US-PATENT-APPL-SN-894505	US-PATENT-APPL-SN-429739	NASA-CASE-LAR-14773-2-CU						
US-PATENT-CLASS-427-244	US-PATENT-APPL-SN-894505	US-PATENT-APPL-SN-755207						
US-PATENT-CLASS-427-269	US-PATENT-CLASS-427-244	US-PATENT-CLASS-562-827						
US-PATENT-CLASS-427-270	US-PATENT-CLASS-427-269	US-PATENT-CLASS-564-417						
US-PATENT-CLASS-427-287	US-PATENT-CLASS-427-270	US-PATENT-CLASS-564-440						
US-PATENT-CLASS-427-377	US-PATENT-CLASS-427-287	US-PATENT-5,220,070						
US-PATENT-CLASS-427-535	US-PATENT-CLASS-427-377	INT-PATENT-CLASS-H01Q-1/380						
US-PATENT-5,215,790	US-PATENT-CLASS-427-535	INT-PATENT-CLASS-H01Q-19/300						

			US-PATENT-5,218,709				NASA-CASE-LAR-14172-1				US-PATENT-5,237,516
N93-29609*	c 24	..	INT-PATENT-CLASS-B01J-19/28		N93-31296* #	c 24	US-PATENT-APPL-SN-090838	N94-10672* #	c 02	..	INT-PATENT-CLASS-B64C-21/04
			NASA-CASE-LEW-15077-2				NAS 1.71:LEW-15241-2				NASA-CASE-LEW-14791-1
			US-PATENT-APPL-SN-608493				NASA-CASE-LEW-15241-2				US-PATENT-APPL-SN-943659
			US-PATENT-APPL-SN-735548		N93-31297* #	c 35	US-PATENT-APPL-SN-094732				US-PATENT-CLASS-244-130
			US-PATENT-CLASS-422-136				NAS 1.71:LAR-14791-1				US-PATENT-CLASS-244-208
			US-PATENT-CLASS-422-209				NASA-CASE-LAR-14791-1				US-PATENT-CLASS-244-209
N93-29610*	c 53	.	US-PATENT-5,225,171		N93-31298* #	c 35	US-PATENT-APPL-SN-879480	N94-10673*	c 02	.	INT-PATENT-CLASS-B64C-23/06
			INT-PATENT-CLASS-G06F-15/18				NAS 1.71:LEW-15515-1				NASA-CASE-LAR-14744-1
			NASA-CASE-MSC-21625-1				NASA-CASE-LEW-15515-1				US-PATENT-APPL-SN-886998
			US-PATENT-APPL-SN-716182		N93-31299* #	c 24	US-PATENT-APPL-SN-086584				US-PATENT-CLASS-244-198
			US-PATENT-CLASS-395-23				NAS 1.71:LEW-15264-2				US-PATENT-CLASS-244-199
			US-PATENT-5,228,113		N93-31300* #	c 27	NASA-CASE-LEW-15264-2	N94-10674*	c 37	..	INT-PATENT-CLASS-F04B-35/00
N93-29611*	c 31	.	INT-PATENT-CLASS-D03C-13/00				US-PATENT-APPL-SN-084058				NASA-CASE-MSC-22020-1
			INT-PATENT-CLASS-D03D-13/00				NAS 1.71:LEW-15154-2				US-PATENT-APPL-SN-998062
			INT-PATENT-CLASS-D03D-41/00				NASA-CASE-LEW-15154-2				US-PATENT-CLASS-417-393
			NASA-CASE-LAR-14048-1		N93-31314* #	c 37	US-PATENT-APPL-SN-083246				US-PATENT-CLASS-417-404
			US-PATENT-APPL-SN-766609				NAS 1.71:LEW-14906-2				US-PATENT-5,238,372
			US-PATENT-CLASS-139-DIG.1				NASA-CASE-LEW-14906-2	N94-11021* #	c 02	.....	NAS 1.71:MFS-28508-1
			US-PATENT-CLASS-139-11		N93-31316* #	c 27	US-PATENT-APPL-SN-104951				NASA-CASE-MFS-28508-1
			US-PATENT-CLASS-428-225				NAS 1.71:LEW-15576-1				US-PATENT-APPL-SN-037877
N93-29612*	c 39	..	US-PATENT-5,224,519		N93-31317* #	c 37	NASA-CASE-LEW-15576-1	N94-15703* #	c 61	.....	NAS 1.71:GSC-13562-1
			INT-PATENT-CLASS-G01N-19/08				US-PATENT-APPL-SN-081910				US-PATENT-APPL-SN-037876
			INT-PATENT-CLASS-G01R-27/02				NAS 1.71:GSC-13370-1	N94-15704* #	c 63	.....	NAS 1.71:GSC-13489-1
			NASA-CASE-LAR-14480-1-CU		N93-31459* #	c 25	NASA-CASE-GSC-13370-1				NASA-CASE-GSC-13489-1
			US-PATENT-APPL-SN-705474				US-PATENT-APPL-SN-656924	N94-15706* #	c 33	.....	US-PATENT-APPL-SN-979987
			US-PATENT-CLASS-324-699				NAS 1.71:LAR-14796-1				NAS 1.71:LEW-15407-1
			US-PATENT-CLASS-324-718		N94-10654* #	c 37	NASA-CASE-LAR-14796-1				NASA-CASE-LEW-15407-1
			US-PATENT-CLASS-73-799				US-PATENT-APPL-SN-045343	N94-15707* #	c 37	.....	US-PATENT-APPL-SN-006413
N93-29613*	c 39	.....	US-PATENT-5,227,731				NASA-CASE-NPO-18668-1-CU				NAS 1.71:MSC-21998-1
			NASA-CASE-LAR-14654-1-CU				US-PATENT-APPL-SN-912955				NASA-CASE-MSC-21998-1
			US-PATENT-APPL-SN-849612				US-PATENT-CLASS-318-560	N94-15870* #	c 38	.....	US-PATENT-APPL-SN-066271
			US-PATENT-CLASS-359-67				US-PATENT-CLASS-318-568.11				NAS 1.71:LAR-14725-1
			US-PATENT-CLASS-359-74				US-PATENT-CLASS-318-568.12	N94-15872* #	c 35	.....	US-PATENT-APPL-SN-110255
			US-PATENT-CLASS-359-82				US-PATENT-CLASS-318-568.17				NASA-CASE-GSC-13564-1
			US-PATENT-CLASS-428-1		N94-10655* #	c 37	US-PATENT-CLASS-318-568.21				US-PATENT-APPL-SN-090230
			US-PATENT-CLASS-428-409				US-PATENT-CLASS-318-568.21	N94-15874* #	c 33	.....	NAS 1.71:GSC-13404-1
			US-PATENT-CLASS-428-480				US-PATENT-CLASS-901-19				NASA-CASE-GSC-13404-1
			US-PATENT-CLASS-428-913				US-PATENT-CLASS-901-9	N94-15875* #	c 35	.....	US-PATENT-APPL-SN-038746
			US-PATENT-5,223,310		N94-10656* #	c 33	US-PATENT-5,239,246				NAS 1.71:NPO-18458-1-CU
N93-29614*	c 24	....	INT-PATENT-CLASS-H05K-7/20				INT-PATENT-CLASS-F16K-15/06				NASA-CASE-NPO-18458-1-CU
			NASA-CASE-LEW-14162-3				NASA-CASE-MSC-21903-1	N94-15876* #	c 20	.....	US-PATENT-APPL-SN-077470
			US-PATENT-APPL-SN-501893				US-PATENT-APPL-SN-902266				NAS 1.71:NPO-19174-1-CU
			US-PATENT-APPL-SN-657238				US-PATENT-CLASS-137-514.7	N94-15877* #	c 35	.....	NASA-CASE-NPO-19174-1-CU
			US-PATENT-APPL-SN-880851		N94-10657* #	c 37	US-PATENT-5,232,013				US-PATENT-APPL-SN-089064
			US-PATENT-CLASS-165-185				INT-PATENT-CLASS-H01L-21/44				NAS 1.71:LAR-14887-1
			US-PATENT-CLASS-174-16.3				NASA-CASE-NPO-18062-1-CU	N94-15878* #	c 24	.....	NASA-CASE-LAR-14887-1
			US-PATENT-CLASS-361-386				US-PATENT-APPL-SN-877966				US-PATENT-APPL-SN-105161
			US-PATENT-CLASS-428-614				US-PATENT-CLASS-148-DIG.80	N94-15880* #	c 27	.....	NAS 1.71:LAR-14535-1
N93-29617*	c 25	....	US-PATENT-5,224,030				US-PATENT-CLASS-437-195				NASA-CASE-LAR-14535-1
			INT-PATENT-CLASS-C25B-1/02				US-PATENT-CLASS-437-203	N94-15881* #	c 31	.....	US-PATENT-APPL-SN-954108
			INT-PATENT-CLASS-C25B-1/22				US-PATENT-CLASS-437-234				NAS 1.71:LAR-14918-1
			INT-PATENT-CLASS-C25C-1/06				US-PATENT-CLASS-437-3	N94-15882* #	c 37	.....	NASA-CASE-LAR-14918-1
			NASA-CASE-MSC-21759-1				US-PATENT-CLASS-437-5				US-PATENT-APPL-SN-062861
			US-PATENT-APPL-SN-764581		N94-10657* #	c 74	US-PATENT-5,236,871				NAS 1.71:LAR-14988-1
			US-PATENT-CLASS-204-104				INT-PATENT-CLASS-G02B-1/10	N94-15883* #	c 54	.....	US-PATENT-APPL-SN-114043
			US-PATENT-CLASS-204-105R				INT-PATENT-CLASS-G02B-5/20				NAS 1.71:MSC-22244-1
			US-PATENT-CLASS-204-112				NASA-CASE-NPO-18433-1-CU	N94-15884* #	c 35	.....	NASA-CASE-MSC-22244-1
			US-PATENT-CLASS-204-129				US-PATENT-APPL-SN-936417				US-PATENT-APPL-SN-066274
			US-PATENT-5,227,032				US-PATENT-CLASS-359-359	N94-15885* #	c 37	.....	NAS 1.71:LAR-14160-1
N93-29618*	c 37	..	INT-PATENT-CLASS-G01N-19/02				US-PATENT-CLASS-359-360				US-PATENT-APPL-SN-111321
			NASA-CASE-MFS-28589-1				US-PATENT-CLASS-359-582	N94-15925* #	c 37	.....	NAS 1.71:MSC-21885-1
			US-PATENT-APPL-SN-813628				US-PATENT-CLASS-359-585				NASA-CASE-MSC-21885-1
			US-PATENT-CLASS-73-9				US-PATENT-CLASS-359-892	N94-15926* #	c 24	.....	US-PATENT-APPL-SN-048041
			US-PATENT-5,226,308				US-PATENT-5,237,447				NAS 1.71:ARC-11955-1-CU
N93-29846* #	c 37	.....	NAS 1.71:MFS-28833-1		N94-10658* #	c 37	INT-PATENT-CLASS-F16K-15/06	N94-15882* #	c 37	.....	NASA-CASE-ARC-11955-1-CU
			NASA-CASE-MFS-28833-1				NASA-CASE-MSC-21950-1				US-PATENT-APPL-SN-739026
			US-PATENT-APPL-SN-069481				US-PATENT-APPL-SN-902265	N94-15883* #	c 54	.....	NAS 1.71:LEW-15643-1
N93-29848* #	c 74	.....	NAS 1.71:NPO-18357-1-CU				US-PATENT-CLASS-137-514				NASA-CASE-LEW-15643-1
			NASA-CASE-NPO-18357-1-CU				US-PATENT-CLASS-137-514.7	N94-15929* #	c 24	.....	US-PATENT-APPL-SN-047120
			US-PATENT-APPL-SN-033512				US-PATENT-5,240,036				NAS 1.71:LEW-15263-2
N93-30413* #	c 38	.....	NAS 1.71:NPO-18982-1-CU		N94-10669* #	c 09	INT-PATENT-CLASS-G01M-15/00	N94-15884* #	c 35	.....	US-PATENT-APPL-SN-128007
			NASA-CASE-NPO-18982-1-CU				INT-PATENT-CLASS-G01N-19/00				NAS 1.71:NPO-18913-1-CU
			US-PATENT-APPL-SN-047135				NASA-CASE-MFS-28493-1	N94-15932* #	c 36	.....	NASA-CASE-NPO-18470-1-CU
N93-30414* #	c 38	.....	NAS 1.71:LAR-15063-1				US-PATENT-APPL-SN-678780				NASA-CASE-NPO-18470-1-CU
			NASA-CASE-LAR-15063-1				US-PATENT-CLASS-73-118.1	N94-15933* #	c 74	.....	US-PATENT-APPL-SN-094332
			US-PATENT-APPL-SN-060617				US-PATENT-CLASS-73-119R				NAS 1.71:NPO-18736-1-CU
N93-30415* #	c 36	.....	NAS 1.71:NPO-18611-1-CU				US-PATENT-CLASS-73-865.9				US-PATENT-APPL-SN-073235
			NASA-CASE-NPO-18611-1-CU		N94-10670* #	c 37	US-PATENT-5,239,864	N94-15935* #	c 18	.....	NAS 1.71:MSC-22021-1
			US-PATENT-APPL-SN-044668				INT-PATENT-CLASS-G05B-19/24				
N93-30416* #	c 06	.....	NAS 1.71:NPO-18733-1-CU				INT-PATENT-CLASS-G06F-15/46				
			NASA-CASE-NPO-18733-1-CU				NASA-CASE-NPO-18116-1-CU				
			US-PATENT-APPL-SN-056503				US-PATENT-APPL-SN-699299				
N93-30566* #	c 54	.....	NAS 1.71:MFS-28707-1				US-PATENT-CLASS-318-568.1				
			NASA-CASE-MFS-28707-1				US-PATENT-CLASS-395-84				
			US-PATENT-APPL-SN-912953				US-PATENT-CLASS-395-905				
N93-31292* #	c 37	.....	NAS 1.77:MFS-28844-1				US-PATENT-CLASS-395-99				
			NASA-CASE-MFS-28844-1				US-PATENT-5,231,693				
			US-PATENT-APPL-SN-081890		N94-10671* #	c 39	INT-PATENT-CLASS-G01H-1/00				
N93-31293* #	c 24	.....	NAS 1.71:LEW-15264-1				INT-PATENT-CLASS-G01N-29/16				
			NASA-CASE-LEW-15264-1				NASA-CASE-LAR-14741-1				
			US-PATENT-APPL-SN-872262				US-PATENT-APPL-SN-720153				
N93-31294* #	c 26	.....	NAS 1.71:LEW-15535-1				US-PATENT-CLASS-364-508				
			NASA-CASE-LEW-15535-1				US-PATENT-CLASS-364-571.03				
			US-PATENT-APPL-SN-970669				US-PATENT-CLASS-73-761				
N93-31295* #	c 20	.....	NAS 1.71:LAR-14172-1				US-PATENT-CLASS-73-862.59				

N94-15942* #	c 36	NASA-CASE-MSC-22021-1 US-PATENT-APPL-SN-073847 NAS 1.71: LAR-14645-1-SB NASA-CASE-LAR-14645-1-SB US-PATENT-APPL-SN-105528	N94-20195* #	c 27	INT-PATENT-CLASS-A63B-71/00 NASA-CASE-MSC-21752-1 US-PATENT-APPL-SN-775404 US-PATENT-CLASS-482-54 US-PATENT-CLASS-482-8 US-PATENT-CLASS-73-379.01 US-PATENT-CLASS-5,242,339	N94-20366* #	c 63	INT-PATENT-CLASS-G06F-15/18 NASA-CASE-MSC-21874-1 US-PATENT-APPL-SN-813556 US-PATENT-CLASS-395-23 US-PATENT-CLASS-395-24 US-PATENT-CLASS-5,253,329
N94-15943* #	c 61	NAS 1.71: GSC-13556-1 NASA-CASE-GSC-13556-1 US-PATENT-APPL-SN-022219	N94-20196* #	c 44	INT-PATENT-CLASS-H01L-31/45 NASA-CASE-LEW-15308-1 US-PATENT-APPL-SN-862113 US-PATENT-CLASS-136-245 US-PATENT-CLASS-136-292 US-PATENT-CLASS-5,244,508	N94-20367* #	c 18	INT-PATENT-CLASS-B64G-1/22 NASA-CASE-MSC-21723-1 US-PATENT-APPL-SN-887001 US-PATENT-CLASS-244-158R US-PATENT-CLASS-244-160 US-PATENT-CLASS-5,242,134
N94-15946* #	c 63	NAS 1.71: GSC-13541-1 NASA-CASE-GSC-13541-1 US-PATENT-APPL-SN-008426	N94-20240* #	c 74	INT-PATENT-CLASS-G01D-5/34 NASA-CASE-GSC-13543-1 US-PATENT-APPL-SN-971035 US-PATENT-CLASS-250-231.18 US-PATENT-CLASS-250-237G US-PATENT-CLASS-5,266,796	N94-20368* #	c 32	INT-PATENT-CLASS-H05B-6/36 NASA-CASE-LAR-14418-15-B US-PATENT-APPL-SN-790723 US-PATENT-CLASS-156-272.2 US-PATENT-CLASS-156-272.4 US-PATENT-CLASS-219-10.75 US-PATENT-CLASS-219-10.77 US-PATENT-CLASS-219-10.79 US-PATENT-CLASS-219-9.5 US-PATENT-CLASS-5,266,764
N94-15947* #	c 20	NAS 1.71: LAR-14054-1 NASA-CASE-LAR-14054-1 US-PATENT-APPL-SN-095563	N94-20303* #	c 74	INT-PATENT-CLASS-G11C-15/00 NASA-CASE-NPO-18278-1-CU US-PATENT-APPL-SN-747059 US-PATENT-CLASS-359-561 US-PATENT-CLASS-365-215 US-PATENT-CLASS-365-49 US-PATENT-CLASS-382-42 US-PATENT-CLASS-5,262,979	N94-20369* #	c 37	INT-PATENT-CLASS-B66C-23/76 NASA-CASE-LAR-14565-1-CU US-PATENT-APPL-SN-793974 US-PATENT-CLASS-212-148 US-PATENT-CLASS-212-196 US-PATENT-CLASS-212-262 US-PATENT-CLASS-5,253,771
N94-15949* #	c 37	NAS 1.71: MFS-28797-1 NASA-CASE-MFS-28797-1 US-PATENT-APPL-SN-098918	N94-20304* #	c 16	NASA-CASE-MSC-21793-1 US-PATENT-APPL-SN-049648 US-PATENT-APPL-SN-731829 US-PATENT-CLASS-219-200 US-PATENT-CLASS-244-121 US-PATENT-CLASS-244-158A US-PATENT-CLASS-403-404 US-PATENT-CLASS-403-408.1 US-PATENT-CLASS-411-909 US-PATENT-CLASS-5,254,837	N94-20370* #	c 20	INT-PATENT-CLASS-F02K-9/00 NASA-CASE-MFS-28547-1 US-PATENT-APPL-SN-010037 US-PATENT-CLASS-137-853 US-PATENT-CLASS-137-855 US-PATENT-CLASS-239-410 US-PATENT-CLASS-239-533.2 US-PATENT-CLASS-60-258 US-PATENT-CLASS-60-741 US-PATENT-CLASS-5,265,415
N94-15952* #	c 33	NAS 1.71: NPO-18935-1-CU NASA-CASE-NPO-18935-1-CU US-PATENT-APPL-SN-071416	N94-20305* #	c 74	INT-PATENT-CLASS-G02B-5/10 NASA-CASE-NPO-18194-1-CU US-PATENT-APPL-SN-700379 US-PATENT-CLASS-250-201.1 US-PATENT-CLASS-250-201.9 US-PATENT-CLASS-359-849 US-PATENT-CLASS-364-148 US-PATENT-CLASS-364-525 US-PATENT-CLASS-364-559 US-PATENT-CLASS-5,265,034	N94-20371* #	c 34	INT-PATENT-CLASS-F28D-20/00 NASA-CASE-ARC-11921-1 US-PATENT-APPL-SN-703649 US-PATENT-CLASS-165-10 US-PATENT-CLASS-165-104.17 US-PATENT-CLASS-165-78 US-PATENT-CLASS-62-259.3 US-PATENT-CLASS-62-299 US-PATENT-CLASS-62-59 US-PATENT-CLASS-5,261,482
N94-15958* #	c 63	NAS 1.71: NPO-18790-1-CU NASA-CASE-NPO-18790-1-CU US-PATENT-APPL-SN-073018	N94-20339* #	c 14	INT-PATENT-CLASS-G09B-9/08 NASA-CASE-MSC-21975-1 US-PATENT-APPL-SN-018844 US-PATENT-CLASS-434-34 US-PATENT-CLASS-5,261,819	N94-20372* #	c 52	INT-PATENT-CLASS-A61M-1/03 NASA-CASE-MSC-21775-1 US-PATENT-APPL-SN-760633 US-PATENT-CLASS-604-28 US-PATENT-CLASS-604-4 US-PATENT-CLASS-5,261,874
N94-15960* #	c 27	NAS 1.71: NPO-18735-1-CU NASA-CASE-NPO-18735-1-CU US-PATENT-APPL-SN-073019	N94-20345* #	c 74	INT-PATENT-CLASS-H01J-5/16 NASA-CASE-NPO-18146-1-CU US-PATENT-APPL-SN-786618 US-PATENT-CLASS-250-227.2 US-PATENT-CLASS-359-896 US-PATENT-CLASS-5,266,795	N94-20373* #	c 27	INT-PATENT-CLASS-B05D-1/00 INT-PATENT-CLASS-B05D-5/06 INT-PATENT-CLASS-B05D-5/12 NASA-CASE-LAR-14763-1 US-PATENT-APPL-SN-736667 US-PATENT-CLASS-427-163 US-PATENT-CLASS-427-385.5 US-PATENT-CLASS-427-388.1 US-PATENT-CLASS-427-96 US-PATENT-CLASS-5,248,519
N94-15962* #	c 34	NAS 1.71: MSC-22090-1 NASA-CASE-MSC-22090-1 US-PATENT-APPL-SN-115832	N94-20359* #	c 27	NASA-CASE-MFS-28682-1 US-PATENT-APPL-SN-912401 US-PATENT-CLASS-294-119.3 US-PATENT-CLASS-623-26 US-PATENT-CLASS-74-479B US-PATENT-CLASS-901-22 US-PATENT-CLASS-901-37 US-PATENT-CLASS-92-48 US-PATENT-CLASS-92-92 US-PATENT-CLASS-5,245,885	N94-20374* #	c 27	INT-PATENT-CLASS-C08G-69/32 INT-PATENT-CLASS-C08G-73/10 NASA-CASE-LAR-14608-1 US-PATENT-APPL-SN-752246 US-PATENT-CLASS-528-28 US-PATENT-CLASS-528-310 US-PATENT-CLASS-528-331 US-PATENT-CLASS-528-353 US-PATENT-CLASS-528-41 US-PATENT-CLASS-5,243,023
N94-15966* #	c 37	NAS 1.71: MSC-22111-1 NASA-CASE-MSC-22111-1 US-PATENT-APPL-SN-098911	N94-20360* #	c 63	INT-PATENT-CLASS-G06F-15/46 INT-PATENT-CLASS-G06G-7/12 NASA-CASE-NPO-17807-2-CU US-PATENT-APPL-SN-470664 US-PATENT-APPL-SN-789567 US-PATENT-CLASS-395-24 US-PATENT-CLASS-395-27 US-PATENT-CLASS-5,255,349	N94-20375* #	c 37	INT-PATENT-CLASS-H01P-7/06 NASA-CASE-LEW-15216-1 US-PATENT-APPL-SN-826547 US-PATENT-CLASS-315-5.54 US-PATENT-CLASS-333-233 US-PATENT-CLASS-5,243,310 US-PATENT-CLASS-14471-1 US-PATENT-APPL-SN-950580 US-PATENT-CLASS-264-221 US-PATENT-CLASS-264-86 US-PATENT-CLASS-5,266,252
N94-15967* #	c 51	NAS 1.71: MSC-21715-1 NASA-CASE-MSC-21715-1 US-PATENT-APPL-SN-097186	N94-20361* #	c 34	INT-PATENT-CLASS-B01D-21/26 NASA-CASE-MFS-28658-1 US-PATENT-APPL-SN-958843 US-PATENT-CLASS-209-144 US-PATENT-CLASS-209-211 US-PATENT-CLASS-210-512.1 US-PATENT-CLASS-210-787 US-PATENT-CLASS-55-459.1 US-PATENT-CLASS-5,248,421	N94-20377* #	c 27	INT-PATENT-CLASS-C04B-33/28 NASA-CASE-LAR-14471-1 US-PATENT-APPL-SN-950580 US-PATENT-CLASS-264-221 US-PATENT-CLASS-264-86 US-PATENT-CLASS-5,266,252
N94-15969* #	c 51	NAS 1.71: MSC-21984-1 NASA-CASE-MSC-21984-1 US-PATENT-APPL-SN-066292	N94-20365* #	c 37	INT-PATENT-CLASS-F16B-3/06 NASA-CASE-LAR-13805-1	N94-20378* #	c 74	INT-PATENT-CLASS-G01N-21/00 NASA-CASE-LAR-14525-1-CU
N94-15987* #	c 35	NAS 1.71: NPO-18791-1-CU NASA-CASE-NPO-18791-1-CU US-PATENT-APPL-SN-071131						
N94-15988* #	c 33	NAS 1.71: LAR-14093-1 NASA-CASE-LAR-14093-1 US-PATENT-APPL-SN-073845						
N94-17085* #	c 52	NAS 1.71: LAR-14969-1 NASA-CASE-LAR-14969-1 US-PATENT-APPL-SN-153930						
N94-17322* #	c 32	NAS 1.71: GSC-13493-1 NASA-CASE-GSC-13493-1 US-PATENT-APPL-SN-929216						
N94-17323* #	c 33	NAS 1.71: NPO-18399-1-CU NASA-CASE-NPO-18399-1-CU US-PATENT-APPL-SN-111317						
N94-17324* #	c 33	NAS 1.71: NPO-18547-1-CU NASA-CASE-NPO-18547-1-CU US-PATENT-APPL-SN-125966						
N94-17325* #	c 33	NAS 1.71: NPO-18694-1-CU NASA-CASE-NPO-18694-1-CU US-PATENT-APPL-SN-112483						
N94-17326* #	c 61	NAS 1.71: NPO-18789-1-CU NASA-CASE-NPO-18789-1-CU US-PATENT-APPL-SN-141295						
N94-17327* #	c 76	NAS 1.71: NPO-18836-1-CU NASA-CASE-NPO-18836-1-CU US-PATENT-APPL-SN-105728						
N94-17328* #	c 62	NAS 1.71: NPO-18864-1-CU NASA-CASE-NPO-18864-1-CU US-PATENT-APPL-SN-111318						
N94-17329* #	c 72	NAS 1.71: NPO-18870-1-CU NASA-CASE-NPO-18870-1-CU US-PATENT-APPL-SN-127653						
N94-17330* #	c 62	NAS 1.71: NPO-18983-1-CU NASA-CASE-NPO-18983-1-CU US-PATENT-APPL-SN-112497						
N94-17438* #	c 89	NAS 1.71: NPO-18664-1-CU NASA-CASE-NPO-18664-1-CU US-PATENT-APPL-SN-094331						
N94-17559* #	c 27	NAS 1.71: LAR-14987-2 NASA-CASE-LAR-14987-2 US-PATENT-APPL-SN-077166						
N94-20126* #	c 37	INT-PATENT-CLASS-H01R-13/00 NASA-CASE-GSC-13454-1 US-PATENT-APPL-SN-947612 US-PATENT-CLASS-439-362 US-PATENT-CLASS-5,244,406						
N94-20127* #	c 37	INT-PATENT-CLASS-F25B-23/00 NASA-CASE-GSC-13503-1 US-PATENT-APPL-SN-008427 US-PATENT-CLASS-165-41 US-PATENT-CLASS-165-904 US-PATENT-CLASS-244-158A US-PATENT-CLASS-244-158R US-PATENT-CLASS-244-163 US-PATENT-CLASS-62-467 US-PATENT-CLASS-5,241,836						
N94-20194* #	c 54	INT-PATENT-CLASS-A63B-22/02						

			US-PATENT-APPL-SN-761198				US-PATENT-CLASS-244-1A				US-PATENT-CLASS-524-538
			US-PATENT-CLASS-250-227.14				US-PATENT-CLASS-361-218				US-PATENT-CLASS-524-608
			US-PATENT-CLASS-385-12				US-PATENT-CLASS-428-257				US-PATENT-5,252,168
			US-PATENT-5,262,638				US-PATENT-CLASS-428-260		N94-23077*	c 34	INT-PATENT-CLASS-G01F-1/46
N94-20379*	c 37	..	INT-PATENT-CLASS-F16B-39/00				US-PATENT-CLASS-428-288				NASA-CASE-ARC-11934-1
			INT-PATENT-CLASS-F16B-39/02				US-PATENT-CLASS-428-289				US-PATENT-APPL-SN-660473
			NASA-CASE-MFS-28720-1				US-PATENT-CLASS-428-334				US-PATENT-CLASS-73-147
			US-PATENT-APPL-SN-009909				US-PATENT-5,260,124				US-PATENT-CLASS-73-170.14
			US-PATENT-CLASS-411-258	N94-20540*	c 23		NASA-CASE-LAR-14606-1-CU				US-PATENT-CLASS-73-180
			US-PATENT-CLASS-411-82				US-PATENT-APPL-SN-867864				US-PATENT-CLASS-73-861.66
			US-PATENT-CLASS-411-930				US-PATENT-CLASS-528-125				US-PATENT-5,241,866
			US-PATENT-CLASS-425-129.1				US-PATENT-CLASS-528-126	N94-23078*	c 37		INT-PATENT-CLASS-F16D-1/00
			US-PATENT-5,265,994				US-PATENT-CLASS-528-128				INT-PATENT-CLASS-F16H-25/20
N94-20380*	c 37	.	INT-PATENT-CLASS-B05C-13/00				US-PATENT-CLASS-528-167				NASA-CASE-GSC-13452-1
			NASA-CASE-MFS-28522-1				US-PATENT-CLASS-528-171				US-PATENT-APPL-SN-946111
			US-PATENT-APPL-SN-828612				US-PATENT-CLASS-528-172				US-PATENT-CLASS-244-161
			US-PATENT-CLASS-118-500				US-PATENT-CLASS-528-174				US-PATENT-CLASS-403-13
			US-PATENT-CLASS-118-728				US-PATENT-5,270,432				US-PATENT-CLASS-403-24
			US-PATENT-CLASS-118-730	N94-20541*	c 27	..	INT-PATENT-CLASS-B23P-15/00				US-PATENT-CLASS-439-362
			US-PATENT-CLASS-269-71				NASA-CASE-MFS-28569-1				US-PATENT-CLASS-74-89.15
			US-PATENT-5,254,173				US-PATENT-APPL-SN-009908				US-PATENT-5,271,286
N94-20381*	c 76		NASA-CASE-LEW-15223-1				US-PATENT-CLASS-29-890.01	N94-23079*	c 27		NASA-CASE-LAR-13669-2
			US-PATENT-APPL-SN-718314				US-PATENT-CLASS-427-236				US-PATENT-APPL-SN-084064
			US-PATENT-CLASS-148-DIG.148				US-PATENT-CLASS-427-270				US-PATENT-APPL-SN-892058
			US-PATENT-CLASS-148-33				US-PATENT-CLASS-427-455				US-PATENT-CLASS-528-170
			US-PATENT-CLASS-156-DIG.64				US-PATENT-5,249,357				US-PATENT-CLASS-528-171
			US-PATENT-CLASS-156-612	N94-20556*	c 08		INT-PATENT-CLASS-B64C-9/02				US-PATENT-CLASS-528-173
			US-PATENT-CLASS-156-645				NASA-CASE-LAR-14747-1				US-PATENT-CLASS-528-174
			US-PATENT-CLASS-156-646				US-PATENT-APPL-SN-948057				US-PATENT-CLASS-528-176
			US-PATENT-CLASS-156-662				US-PATENT-CLASS-244-75R				US-PATENT-CLASS-528-353
			US-PATENT-5,248,385				US-PATENT-CLASS-244-87				US-PATENT-5,272,248
N94-20491*	c 75		NASA-CASE-MSC-21631-1				US-PATENT-5,259,573	N94-23082*	c 37	..	INT-PATENT-CLASS-B25J-11/00
			US-PATENT-APPL-SN-729107				NASA-CASE-LAR-14607-1-SB				INT-PATENT-CLASS-F16B-3/00
			US-PATENT-CLASS-156-643	N94-20586*	c 74		US-PATENT-APPL-SN-761198				NASA-CASE-GSC-13434-1
			US-PATENT-CLASS-156-646				US-PATENT-APPL-SN-855363				US-PATENT-APPL-SN-918747
			US-PATENT-CLASS-156-662				US-PATENT-CLASS-372-6				US-PATENT-CLASS-403-348
			US-PATENT-CLASS-156-668				US-PATENT-CLASS-385-123				US-PATENT-CLASS-403-359
			US-PATENT-CLASS-250-251				US-PATENT-CLASS-385-126				US-PATENT-CLASS-901-30
			US-PATENT-CLASS-250-423P				US-PATENT-CLASS-385-127				US-PATENT-5,261,758
			US-PATENT-CLASS-250-423R				US-PATENT-CLASS-385-128	N94-23270*	c 74	.	INT-PATENT-CLASS-H04B-10/00
			US-PATENT-5,271,800				US-PATENT-CLASS-385-142				NASA-CASE-NPO-18007-2-CU
N94-20492*	c 61	.	INT-PATENT-CLASS-G05B-13/00				US-PATENT-5,249,251				US-PATENT-APPL-SN-000902
			INT-PATENT-CLASS-G06F-9/44	N94-20587*	c 37		INT-PATENT-CLASS-B64G-1/10				US-PATENT-APPL-SN-703238
			NASA-CASE-MSC-21613-1				NASA-CASE-LAR-14789-1				US-PATENT-CLASS-359-154
			US-PATENT-APPL-SN-761566				US-PATENT-APPL-SN-822457				US-PATENT-CLASS-359-158
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LICENSES FOR COMMERCIAL USE: INQUIRIES AND APPLICATIONS FOR LICENSE

NASA inventions, abstracted in *NASA PAB*, are available for nonexclusive or exclusive licensing in accordance the NASA Patent Licensing Regulations. It is significant that all licenses for NASA inventions shall be by express written instruments and that no license will be granted or implied in a NASA invention except as provided in the NASA Patent Licensing Regulations.

Inquiries concerning the NASA Patent Licensing Program or the availability of licenses for the commercial use of NASA-owned inventions covered by U.S. patents or pending applications for patent should be forwarded to the NASA Patent Counsel of the NASA installation having cognizance of the specific invention, or the Associate General Counsel for Intellectual Property, code GP, National Aeronautics and Space Administration, Washington, D.C. 20546. Inquiries should refer to the NASA Case Number, the Title of the Invention, and the U.S. Patent Number or the U.S. Application Serial Number assigned to the invention as shown in *NASA PAB*.

The NASA Patent Counsel having cognizance of the invention is determined by the first three letters or prefix of the NASA Case Number assigned to the invention. The addresses of NASA Patent Counsels are listed alongside the NASA Case Number prefix letters in the following table.

STANDING ORDER SUBSCRIPTIONS

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PATENT LICENSING REGULATIONS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION 14 CFR Part 1245 Patents and Other Intellectual Property Rights

AGENCY: National Aeronautics and Space Administration (NASA).

ACTION: Final Rule.

SUMMARY: 14 CFR part 1245, subpart 2, "Licensing of NASA Inventions" provides policies and procedures applicable to the licensing of federally owned inventions in the custody of the National Aeronautics and Space Administration and implements Public Law 96-317. The object of subpart 2 is to use the patent system to promote the utilization of inventions arising from NASA supported research and development.

EFFECTIVE DATE: December 13, 1990.

ADDRESS: Office of General Counsel, Code GP, NASA Headquarters, Washington, DC 20546.

FOR FURTHER INFORMATION CONTACT:
Harry Lupuloff, (202) 358-2041

SUPPLEMENTARY INFORMATION:

14 CFR part 1245, subpart 2 is amended by revising NASA position titles in §1245.208 (a) (b) and (c). Since this action is internal and administrative in nature and does not affect the existing regulations, notice and public comment are not required.

The National Aeronautics and Space Administration has determined that:

(1) This rule is not subject to the requirements of the Regulatory Flexibility Act, 5 U.S.C. 601-612, since it will not exert significant impact on a substantial number of small business entities.

(2) This rule is not a major rule as defined in Executive Order 12291.

List of Subjects in 14 CFR Part 1245

Administrative practice and procedure. Authority delegations (Government agencies). Inventions and patents.

For reasons set out in the Preamble, 14 CFR part 1245 is amended as follows:

PART 1245—PATENTS AND OTHER INTELLECTUAL PROPERTY RIGHTS

(1) The authority citation for 14 CFR part 1245, subpart 2 continues to read as follows:

Authority: 35 U.S.C. Section 207 and 208.94 Stat. 3023 and 3024.

(2) Section 1245.208 is revised to read as follows:

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Subpart 2—Licensing of NASA Inventions

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Authority: 35 U.S.C. Section 207 and 208.94 Stat. 3023 and 3024.

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Subpart 2—Licensing of NASA Inventions

§ 1245.200 Scope of subpart.

This subpart prescribes the terms, conditions and procedures upon which a NASA invention may be licensed. It does not affect licenses which (a) were in effect prior to July 1, 1981; (b) may exist at the time of the Government's acquisition of title to the invention, including those resulting from the allocation of rights to inventions made under Government research and development contracts; (c) are the result of an authorized exchange of rights in the settlement of patent disputes; or (d) are otherwise authorized by law or treaty.

§1245.201 Policy and objective.

It is the policy and objective of this subpart to use the patent system to promote the utilization of inventions arising from NASA supported research and development.

§ 1245.202 Definitions

(a) "Federally owned invention" means an invention, plant, or design which is covered by a patent, or patent application in the United States, or a patent, patent application, plant variety protection, or other form of protection, in a foreign country, title to which has been assigned to or otherwise vested in the United States Government.

(b) "Federal agency" means an executive department, military department, Government corporation, or independent establishment, except the Tennessee Valley Authority, which has custody of a Federally owned invention.

(c) "NASA Invention" means a Federally owned invention with respect to which NASA maintains custody and administration, in whole or in part, of the right, title or interest in such invention on behalf of the United States Government.

(d) "Small business firm" means a small business concern as defined at section 2 of Pub. L. 85-536 (15 U.S.C. 632) and implementing regulations of the Administrator of the Small Business Administration. For the purpose of these regulations, the size standard for small business concerns involved in Government procurement, contained in 13 CFR 121.3-8, and in subcontracting, contained in 13 CFR 121.3-12, will be used.

(e) "Practical application" means to manufacture in the case of a composition or product, to practice in the case of a process or method, or to operate in the case of a machine or system; and, in each case, under such condition, as to establish that the invention is being utilized and that its benefits are to the extent permitted by law or Government regulations available to the public on reasonable terms.

(f) "United States" means the United States of America, its territories and possessions, the District of Columbia, and the Commonwealth of Puerto Rico.

§1245.203 Authority to grant licenses.

NASA inventions shall be made available for licensing as deemed appropriate in the public interest. NASA may grant nonexclusive, partially exclusive, or exclusive licenses thereto under this subpart on inventions in its custody.

Restrictions and Conditions

§1245.204 All licenses granted under this subpart.

(a) *Restrictions.* (1) A license may be granted only if the applicant has supplied NASA with a satisfactory plan for development or marketing of the invention, or both, and with information about the applicant's capability to fulfill the plan.

(2) A license granting rights to use or sell under a NASA invention in the United States shall normally be granted only to a licensee who agrees that any products embodying the invention or produced through the use of the invention will be manufactured substantially in the United States.

(b) *Conditions.* Licenses shall contain such terms and conditions as NASA determines are appropriate for the protection of the interests of the Federal Government and the public and are not in conflict with law or this subpart. The following terms and conditions apply to any license:

(1) The duration of the license shall be for a period specified in the license agreement, unless sooner terminated in accordance with this subpart.

(2) The license may be granted for all or less than all fields of use of the invention or in specified geographical areas, or both.

PATENT LICENSING REGULATIONS

(3) The license may extend to subsidiaries of the licensee or other parties if provided for in the license but shall be nonassignable without approval of NASA, except to the successor of that part of the licensee's business to which the invention pertains.

(4) The license may provide the licensee the right to grant sublicenses under the license, subject to the approval of NASA. Each sublicense shall make reference to the license, including the rights retained by the Government, and a copy of such sublicense shall be furnished to NASA.

(5) The license shall require the licensee to carry out the plan for development or marketing of the invention, or both, to bring the invention to practical application within a period specified in the license, and to continue to make the benefits of the invention reasonably accessible to the public.

(6) The license shall require the licensee to report periodically on the utilization or efforts at obtaining utilization that are being made by the licensee, with particular reference to the plan submitted.

(7) All licenses shall normally require royalties or other consideration.

(8) Where an agreement is obtained pursuant to §1245.204(a)(2) that any products embodying the invention or produced through use of the invention will be manufactured substantially in the United States, the license shall recite such agreement.

(9) The license shall provide for the right of NASA to terminate the license, in whole or in part, if:

(i) NASA determines that the licensee is not executing the plan submitted with its request for a license and the licensee cannot otherwise demonstrate to the satisfaction of NASA that it has taken or can be expected to take within a reasonable time effective steps to achieve practical application of the invention;

(ii) NASA determines that such action is necessary to meet requirements for public use specified by Federal regulations issued after the date of the license and such requirements are not reasonably satisfied by the licensee;

(iii) The licensee has willfully made a false statement of or willfully omitted a material fact in the license application or in any report required by the license agreement; or

(iv) The licensee commits a substantial breach of a covenant or agreement contained in the license.

(10) The license may be modified or terminated, consistent with this subpart, upon mutual agreement of NASA and the licensee.

(11) Nothing relating to the grant of a license, nor the grant itself, shall be construed to confer upon any person any immunity from or defenses under the antitrust laws or from a charge of patent misuse, and the acquisition and use of rights pursuant to this subpart shall not be immunized from the operation of state or Federal law by reason of the source of the grant.

Types of Licenses

§1245.205 Nonexclusive licenses.

(a) *Availability of licenses.* Nonexclusive licenses may be granted under NASA inventions without publication of availability or notice of a prospective license.

(b) *Conditions.* In addition to the provisions of §1245.204, the nonexclusive license may also provide that, after termination of a period specified in the license agreement, NASA may restrict the license to the fields of use or geographic areas, or both, in which the licensee has brought the invention to practical application and continues to make the benefits of the invention reasonably accessible to the public. However, such restriction shall be made only in order to grant an exclusive or partially exclusive license in accordance with this subpart.

§1245.206 Exclusive and partially exclusive licenses.

(a) Domestic licenses.

(1) *Availability of licenses.* Exclusive or partially exclusive licenses may be granted on NASA inventions: (i) 3 months after notice of the invention's availability has been announced in the **Federal Register**; or (ii) without such notice where NASA determines that expeditious granting of such a license will best serve the interests of the Federal Government and the public; and (iii) in either situation, specified in (a)(1)(i) or (ii) of this section only if:

(A) Notice of a prospective license, identifying the invention and the prospective licensee, has been published in the **Federal Register**, providing opportunity for filing written objections within a 60-day period;

(B) After expiration of the period in §1245.206(a)(1)(iii)(A) and consideration of any written objections received during the period, NASA has determined that:

(1) The interests of the Federal Government and the public will best be served by the proposed license, in view of the applicants' intentions, plans, and ability to bring the invention to practical application or otherwise promote the invention's utilization by the public;

(2) The desired practical application has not been achieved, or is not likely expeditiously to be achieved, under any nonexclusive license which has been granted, or which may be granted, on the invention;

(3) Exclusive or partially exclusive licensing is a reasonable and necessary incentive to call forth the investment of risk capital and expenditures to bring the invention to practical application or otherwise promote the invention's utilization by the public; and

(4) The proposed terms and scope of exclusivity are not greater than reasonably necessary to provide the incentive for bringing the invention to practical application or otherwise promote the invention's utilization by the public;

(C) NASA has not determined that the grant of such license will tend substantially to lessen competition or result in undue concentration in any section of the country in any line of commerce to which the technology to be licensed relates, or to create or maintain other situations inconsistent with the antitrust laws; and

(D) NASA has given first preference to any small business firms submitting plans that are determined by the agency to be within the capabilities of the firms and as equally likely, if executed, to bring the invention to practical application as any plans submitted by applicants that are not small business firms.

(2) *Conditions.* In addition to the provisions of §1245.204, the following terms and conditions apply to domestic exclusive and partially exclusive licenses:

(i) The license shall be subject to the irrevocable, royalty-free right of the Government of the United States to practice and have practiced the invention on behalf of the United States and on behalf of any foreign government or international organization pursuant to any existing or future treaty or agreement with the United States.

(ii) The license shall reserve to NASA the right to require the licensee to grant sublicenses to responsible applicants, on reasonable terms, when necessary to fulfill health or safety needs.

(iii) The license shall be subject to any licenses in force at the time of the grant of the exclusive or partially exclusive license.

(iv) The license may grant the licensee the right of enforcement of the licensed patent pursuant to the provisions of Chapter 29 of Title 35, United States Code, or other statutes, as determined appropriate in the public interest.

(b) Foreign licenses.

(1) *Availability of licenses.* Exclusive or partially exclusive licenses may be granted on a NASA invention covered by a foreign patent, patent application, or other form of protection, provided that:

(i) Notice of a prospective license, identifying the invention and prospective licensee, has been published in the **Federal Register**, providing opportunity for filing written objections within a 60-day period and following consideration of such objections;

(ii) NASA has considered whether the interests of the Federal Government or United States industry in foreign commerce will be enhanced; and

(iii) NASA has not determined that the grant of such license will tend substantially to lessen competition or result in undue concentration in any section of the United States in any line of commerce to which the technology to be licensed relates, or to create or maintain other situations inconsistent with antitrust laws.

(2) *Conditions.* In addition to the provisions of §1245.204, the following terms and conditions apply to foreign exclusive and partially exclusive licenses:

(i) The license shall be subject to the irrevocable, royalty-free right of the Government of the United States to practice and have practiced the invention on behalf of the United States and on behalf of any foreign government or international organization pursuant to any existing or future treaty or agreement with the United States.

(ii) The license shall be subject to any licenses in force at the time of the grant of the exclusive or partially exclusive license.

(iii) The license may grant the licensee the right to take any suitable and necessary actions to protect the licensed property, on behalf of the Federal Government.

(c) *Record of determinations.* NASA shall maintain a record of determinations to grant exclusive or partially exclusive licenses.

PATENT LICENSING REGULATIONS

Procedures

§1245.207 Application for a license.

An application for a license should be addressed to the Patent Counsel at the NASA installation having responsibility for the invention and shall normally include:

- (a) Identification of the invention for which the license is desired, including the patent application serial number or patent number, title, and date, if known;
- (b) Identification of the type of license for which the application is submitted;
- (c) Name and address of the person, company, or organization applying for the license and the citizenship or place of incorporation of the applicant;
- (d) Name, address, and telephone number of representative of applicant to whom correspondence should be sent;
- (e) Nature and type of applicant's business, identifying products or services which the applicant has successfully commercialized, and approximate number of applicant's employees;
- (f) Source of information concerning the availability of a license on the invention;
- (g) A statement indicating whether applicant is a small business firm as defined in § 1245.202(c);
- (h) A detailed description of applicant's plan for development or marketing of the invention, or both, which should include:
 - (1) A statement of the time, nature and amount of anticipated investment of capital and other resources which applicant believes will be required to bring the invention to practical application;
 - (2) A statement as to applicant's capability and intention to fulfill the plan, including information regarding manufacturing, marketing, financial, and technical resources;
 - (3) A statement of the fields of use for which applicant intends to practice the invention; and
 - (4) A statement of the geographic areas in which applicant intends to manufacture any products embodying the invention and geographic areas where applicant intends to use or sell the invention, or both;
- (i) Identification of licenses previously granted to applicant under Federally owned inventions;
- (j) A statement containing applicant's best knowledge of the extent to which the invention is being practiced by private industry or Government, or both, or is otherwise available commercially; and
- (k) Any other information which applicant believes will support a determination to grant the license to applicant.

§1245.208 Processing applications.

(a) Applications for licenses will be initially reviewed by the Patent Counsel of the NASA installation having responsibility for the invention. The Patent Counsel shall make a preliminary recommendation to the Director of Licensing, NASA Headquarters, whether to:

- (1) Grant the license as requested.
- (2) Grant the license with modification after negotiation with the licensee, or
- (3) Deny the license.

The Director of Licensing shall review the preliminary recommendation of the Patent Counsel and make a final recommendation to the NASA Associate General Counsel (Intellectual Property). Such review and final recommendation may include, and be based on, any additional information obtained from applicant and other sources that the Patent Counsel and the Director of Licensing deem relevant to the license requested. The determination to grant or deny the license shall be made by the Assistant General Counsel (Intellectual Property) based on the final recommendation of the Director of Licensing.

(b) When notice of a prospective exclusive or partially exclusive license is published in the **Federal Register** in accordance with § 1245.206(a)(1)(iii)(A) or § 1245.206(b)(1)(i), any written objections received in response thereto will be considered by the Director of Licensing in making the final recommendation to the Associate General Counsel (Intellectual Property).

(c) If the requested license, including any negotiated modifications, is denied by the Associate General Counsel (Intellectual Property), the applicant may request reconsideration by filing a written request for reconsideration within 30 days after receiving notice of denial. This 30-day period may be extended for good cause.

(d) In addition to, or in lieu of requesting reconsideration, the applicant may also appeal the denial of the license in accordance with § 1245.211.

Dated: November 23, 1990

Richard H. Truly,
Administrator.

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§ 1245.209 Notice to Attorney General.

A copy of the notice provided for in §§ 1245.206(a)(1)(iii)(A), and 1245.206(b)(1)(i) will be sent to the Attorney General.

§ 1245.210 Modification and termination of licenses.

Before modifying or terminating a license, other than by mutual agreement, NASA shall furnish the licensee and any sublicensee of record a written notice of intention to modify or terminate the license, and the licensee and any sublicensee shall be allowed 30 days after such notice to remedy any breach of the license or show cause why the license should not be modified or terminated.

§ 1245.211 Appeals.

(a) The following parties may appeal to the NASA Administrator or designee any decision or determination concerning the grant, denial, interpretation, modification, or termination of a license:

- (1) A person whose application for a license has been denied;
- (2) A licensee whose license has been modified or terminated, in whole or in part; or
- (3) A person who timely filed a written objection in response to the notice required by §§ 1245.206(a)(1)(iii)(A) or 1245.206(b)(1)(i) and who can demonstrate to the satisfaction of NASA that such person may be damaged by the Agency action.

(b) Written notice of appeal must be filed within 30 days (or such other time as may be authorized for good cause shown) after receiving notice of the adverse decision or determination; including, an adverse decision following the request for reconsideration under § 1245.208(c). The notice of appeal, along with all supporting documentation should be addressed to the Administrator, National Aeronautics and Space Administration, Washington, DC 20546. Should the appeal raise a genuine dispute over material facts, fact-finding will be conducted by the NASA Inventions and Contributions Board. The person filing the appeal shall be afforded an opportunity to be heard and to offer evidence in support of the appeal. The Chairperson of the Inventions and Contributions Board shall prepare written findings of fact and transmit them to the Administrator or designee. The decision on the appeal shall be made by the NASA Administrator or designee. There is no further right of administrative appeal from the decision of the Administrator or designee.

§ 1245.212 Protection and administration of inventions.

NASA may take any suitable and necessary steps to protect and administer rights to NASA inventions, either directly or through contract.

§ 1245.213 Transfer of custody.

NASA having custody of certain Federally owned inventions may transfer custody and administration in whole or in part, to another Federal agency, of the right, title, or interest in any such invention.

§ 1245.214 Confidentiality of information.

Title 35, United States Code, section 209, provides that any plan submitted pursuant to § 1245.207(h) and any report required by § 1245.204(b)(6) may be treated by NASA as commercial and financial information obtained from a person and privileged and confidential and not subject to disclosure under section 552 of Title 5 of the United States Code.

James M. Beggs,
Administrator.

October 15, 1981.

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